

ZAYED UNIVERSITY CATALOG 2022-2023



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جامعة زايد
ZAYED UNIVERSITY

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2022-2023



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Message from the President



Dear Students,

Welcome back to our returning students – and for those of you joining us for the first time, welcome aboard!

The start of the new academic year is for me a time of optimism, renewal and excitement.

Optimism because it is a time when you hold your own future in your hands. Renewal because it is an opportunity to start afresh, and excitement because your futures are filled with endless possibilities.

As an institution, this University is wholeheartedly committed to ensuring our students receive the best possible education by equipping you with the skills which prepare you to thrive in the future. We want to help you create new ways of seeing, of looking at the world and visualising what comes next, what is better and what is needed during your academic journey with us.

Across the University, whichever degree you are studying, you will encounter faculty and staff who are passionate about their jobs, committed to supporting you to achieve your potential by being deeply committed to our ambition of excellence and innovation.

As the future generation, I urge you to embrace this opportunity, to be pioneers, to strive for success, to accelerate change as you work towards achieving your degrees and your future careers.

As a nation, and as a university, we have achieved a great deal in a short space of time, but we continue to aim to be better. This spirit was embodied by the late Sheikh Zayed, who said:

“We are like those who had climbed a mountain and reached the top. When we looked down, we still wanted to go higher to realize our goals. Despite all the achievements, we still have an ambition for more. That is my way of looking at things.”

We encourage you to embark on your journey by honoring the legacy of Sheikh Zayed by being active and productive contributors to our great nation.

You are living through a period of great change. The world you will graduate into is more complex and interconnected than ever. The 4th Industrial Revolution is reshaping economies. Humanity is reimagining what is possible, and you will be empowered with the tools to navigate an ever changing world.

When I attended University 20 years ago, I would never have believed that private space exploration would be a reality, that meetings would be taking place in the Metaverse and that new technologies would be making the ways of working in sectors such as agriculture and manufacturing unrecognizable.

Humanity’s capacity for innovation continues to surprise us all. Digital skills are more important than ever, but the soft skills of critical thinking, communication and creativity remain vital.

Our aim, as a University, is to prepare you to thrive in any environment and prepare you for future challenges, and to provide you with the skills, the expertise and the means to not only embrace change but drive it.

As a generation, you have already faced and overcome significant challenges, far greater challenges than my generation faced at your age. Be proud that you have been tested and you have thrived, and use this pride to fuel your future.

Most recently of course you lived through a pandemic – a once in a generation experience. It has been a difficult time for everyone, and as we learn to live with the virus, I am constantly amazed at how young people in the UAE and around the world adapted to the challenge of the pandemic. You understood its consequences, you made the necessary sacrifices, but you did not let it limit you. This collective experience binds you, and has provided you with a resilience which will hold you in good stead in the future.

Today as you embark on a new journey, whether as a returning student, or joining us for the first time as a freshman, use this opportunity to set goals and then seek to surpass them; identify projects that you are passionate about and then dedicate your time to them. Work hard, show determination, and strive for success. You will then surely reap the benefits.

When you think you have reached the top of the mountain, do not look down, look for more peaks to climb... seek more success and strive for more. That is what it means to be a student at Zayed University.

Welcome once again and best of luck.

H.E. Noura bint Mohammed Al Kaabi

President of Zayed University

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Zayed University Vision, Mission, Values and Strategic Objectives

The Vision

To enable leaders capable of shaping the future, passionate about knowledge and innovation, keen on self-development and ready to anticipate future challenges as inspired by Sheikh Zayed's timeless legacy.

The Mission

Zayed University aims to reinvigorate the educational journey by fostering research and paving the way for a lifelong learning that exceeds expectations and meets the needs of society in order to achieve sustainable development.

University Values

Zayed University is committed to:

- Pioneering
- Passion for knowledge
- Innovation
- Competitiveness
- Tolerance
- Institutional Reputation

Strategic Objectives

- To Promote excellence in a supportive learning environment
- To deliver an integrated model that supercharges a generation of lifelong learners capable of shaping the future of work
- To nurture well-rounded and future-ready global citizens
- To advance research that contributes to society and the knowledge economy
- To harness partnerships to accelerate our progress and ready our students for career success
- To prepare ourselves for the future

An Introduction to the University

Zayed University, the UAE's flagship higher education institution, was established in 1998 and proudly bears the name of the Founder of the Nation – the late Sheikh Zayed bin Sultan Al Nahyan. In the spirit of Sheikh Zayed, the University is a pioneer and innovator in the field of education and research. The University currently has more than 10,500 Emirati and international students across its full range of undergraduate and postgraduate offerings.

Enrollment rapidly grew and in June, 2006, the Dubai Campus moved to its current location in Academic City. In August 2011, the Abu Dhabi Campus moved to its Khalifa City campus and subsequently opened both a male and female campus. Since 2012, Zayed University has offered support for people of determination. The highly acclaimed Khalaf Al Habtoor Assistive Technology Resource Center and Abdul Wahid AlRostamani Inclusive Learning Center are based on the Dubai Campus and the Humaid Matar AlTayer Assistive Technology Resource Center is located on the Abu Dhabi Campus. These Centers provide students of determination not only with academic support, but also with training in the use of the latest assistive equipment and software.

As of Fall 2022, all new students joining Zayed University, enrolled in one of its set of pioneering interdisciplinary degree programs or its well-established arts and creative enterprises degree programs. These purposefully-designed programs are taught through active learning, supplemented with focused industry-partnership experience and give students the grounding to develop the integrated skill-sets that they need to succeed in the workplace. In its continuous effort to give its students the best possible preparation for the workplace, classrooms now mimic the workplace, whereby all new students are taught on a coeducational basis.

Led by Her Excellency Noura Al Kaabi, Minister of Culture and Youth and Chair of the University's Board of Trustees, the University proudly serves the needs of the nation and contributes to the UAE's economic, social and cultural progress, at its state-of-the-art campuses in Abu Dhabi and Dubai. It embraces innovation and its virtual learning

programs use best-in-class technology. Through research, scholarship, creative activities and outreach, Zayed University provides educational leadership, expands opportunity, and enriches the knowledge of local, regional, and global communities.

The University is proud of its role in encouraging academic excellence, promoting leadership skills and advancing knowledge. The University strives to encourage the potential and inspire the promise of all its students, whilst also accelerating change in the UAE and contributing towards the nation's ambitious plan for the next 50 years.

Accreditation

a. National Accreditation

Zayed University was established as an independent corporate entity and named after the founding President of the United Arab Emirates, the late Sheikh Zayed bin Sultan Al Nahyan by virtue of the Federal Decree # 11 of 1999. This Federal Decree mandates that the University shall positively and efficiently participate in the development process of the U.A.E. by conducting and promoting distinguished educational programs, holding conferences, establishing scientific research centers and enhancing cooperation between the Arab and international universities and institutes.

In 2013, the Minister of Higher Education and Scientific Research in the U.A.E. charged the Commission for Academic Accreditation (CAA) with the responsibility of conducting regular institutional accreditation of federal tertiary institutions in the U.A.E. Zayed University, located in the Emirates of Abu Dhabi and Dubai, was officially Licensed from 08 August 2021 to 01 May 2026 by the Ministry of Education of the United Arab Emirates to award degrees/qualifications in higher education.

b. International Accreditation

Zayed University is accredited by the Middle States Commission on Higher Education (MSCHE), one of six regional accrediting bodies in the United States. The University was first accredited by the MSCHE in 2008. Zayed University's accreditation was renewed for ten years in 2013.

Statistics

Student-Faculty ratio is 12:1

Student Evaluation of the Learning Environment is 87%

More statistics information about students' satisfaction available on ZU Factbook on https://allt-uae.zu.ac.ae/www-zu/open-data/wp-content/uploads/sites/2/2022/08/Fact-Book-2021_22-1.pdf#page=28

Administrators

Provost and Chief Academic Officer
Michael Allen

Advisor to the Provost
Andrew Marrington

Advisor to the Provost
Bryan Gilroy

Outreach and Student Recruitment Advisor
Naveed Ejaz

Acting Chief Administrative and Financial Officer
Sherif Mousa

Acting Assistant Provost for Student Affairs
Jane Tatterton

Acting University Registrar
Ruba Ramahi

Deans and Academic Directors

College of Arts and Creative Enterprises
Kevin Badni, Dean

Deanship of Graduate Studies
Gaelle Picherit-Duthler, Acting Dean

Library and Learning Commons
Lilian Li, Director

College of Interdisciplinary Studies
Paul Hopkinson, Dean

Center for Student Success
Belkeis Altareb, Interm Director

Institute for Social and Economic Research
Mouawiya Alawad, Director

Administrative Directors

Campus Development and Services Department
Mohamed Alblooshi, Director

Human Resources Department
Hessa AlMarzooqi, Director

Strategy and Future Department
Muna AlSeeni, Director

Institute for Community Engagement
Khadija AlJaberi, Acting Director

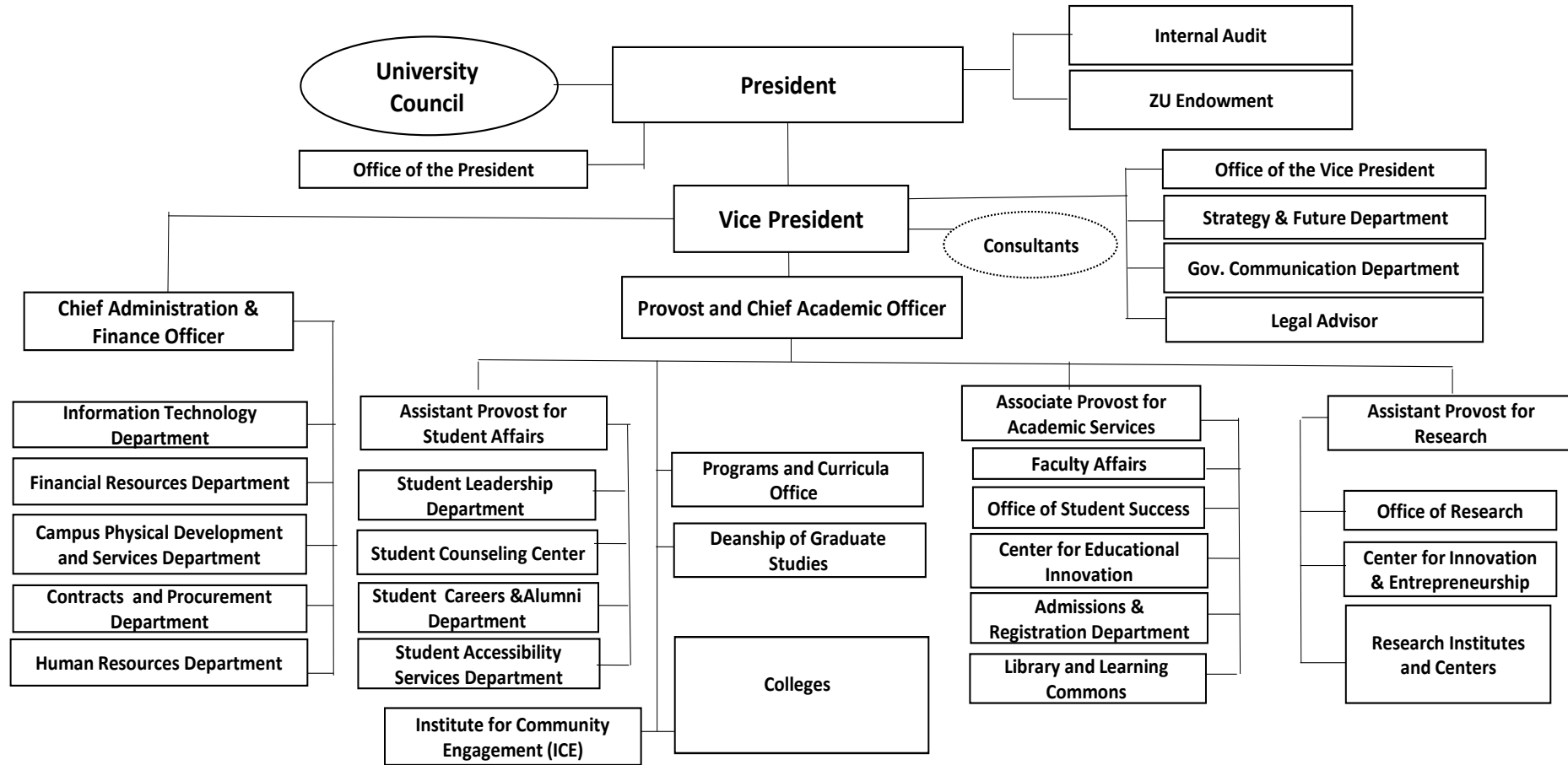
Contracts and Procurement
Abdalla AlZarouni, Director

Internal Audit
Walid Atian, Director

Information Technology Department
Nadia Alqabanji, Director

Legal Advisor
Ahmed Alblooshi

Organization Structure



Zayed University Council members

HE Noura Al Kaabi
Minister of State, and President of Zayed University
University Council Chair

HE Sarah Al Amiri
Minister of State for Advanced Technology
University Council Vice Chair

University Council members

HE Moza Al Akraf
Undersecretary of the Ministry of Community Development

HE Abdunasser Al Shaali
Assistant Minister for Economic and Trade Affairs at Ministry of Foreign Affairs and
International Cooperation

HE Humaid Al Dhaheri
Managing Director & Group CEO of Abu Dhabi National Exhibitions (ADNEC)

HE Mariam Ghobash

HE Shatha Al Hashmi
Advisor in the Executive Advisory Unit in the Prime Minister's Office

HE Saeed Al Dhaheri
Executive Director in Sultan bin Rashed Al Dhaheri Company (Projects and Real Estate)

Prof. Rob Whelan
Emeritus Professor and Director - Whelan Consulting Pty Ltd.

HE Hassan Al Najjar
Founder of Infocus Media

Academic Programs 2022-2023

College of Arts and Creative Enterprises:

1. Bachelor of Fine Arts in Animation Design
2. Bachelor of Fine Arts in Graphic Design
3. Bachelor of Fine Arts in Interior Design
4. Bachelor of Fine Arts in Visual Arts
5. Bachelor of Science in Multimedia Design

(joint program with College of Communication and Media Sciences and College of Technological Innovation)

College of Business

1. Master of Science in Finance

College of Communication and Media Sciences

1. Master of Arts in Communication
(Strategic Public Relations, Tourism and Cultural Communication)

College of Humanities and Social Sciences

1. Master in Diplomacy and International Affairs
2. Master of Legal and Judicial Studies

College of Interdisciplinary Studies:

1. Bachelor of Science in Business Transformation
 - Specialization in Finance
 - Specialization in Accounting
 - Concentration in Operations Management
 - Concentration in Growth Strategy & Management
 - Concentration in Entrepreneurship & Innovation
2. Bachelor of Science in Computational Systems
 - Concentration in Applied Data Science
 - Concentration in Machine Intelligence
 - Concentration in Digital Security
3. Bachelor of Science in Social Innovation
 - Specialization in Communication & Media
 - Specialization in Psychology
 - Concentration in Behavioral Economics
 - Concentration in Political & Economic Systems
 - Concentration in Societal Transformation
4. Bachelor of Science in Sustainability
 - Concentration in Sustainable Enterprise
 - Concentration in Sustainable Policy
 - Concentration in Sustainable Environments

College of Natural and Health Sciences

1. Master of Science in Environment & Sustainability Sciences
2. Master of Science in Counselling Psychology

College of Technological Innovation

1. Master of Science in Information Systems Management
2. Master of Science in Information Technology
(Cyber Security)

Academic Calendar 2022- 2023

Preliminary

Mon	08 Aug 2022	New faculty report
Mon	15 Aug 2022	Return of academic administrators & returning faculty report
Mon - Fri	15 - 19 Aug 2022	New students' Orientation/assessments & placement exams/faculty Professional Development Week & colleges grade appeals decisions

Fall Semester 2022

Mon	22 Aug 2022	Start of classes
Fri	26 Aug 2022	Last day to add/drop
Fri	02 Sep 2022	Last day to suspend registration & last day to withdraw from full semester and Term A courses without failure
Tue	11 Oct 2022	Last day of Term A
Wed	12 Oct 2022	First day of Term B
Wed	26 Oct 2022	Last day to withdraw from Term B courses without failure
Wed	30 Nov 2022	Last day of classes
Mon - Mon	05 - 12 Dec 2022	Final Exams
Fri	16 Dec 2022	Grades Announcement
Mon	19 Dec 2022	Deadline for student's grade appeals

Winter Break

Tue - Fri	13 - 30 Dec 2022	Winter break for students
Tue - Fri	13 Dec 2022 - 06 Jan 2023	Winter break for faculty

Spring Semester 2023

Mon	02 Jan 2023	New faculty report
Mon	02 Jan 2023	Return of academic administrators & returning faculty report
Mon - Fri	02 - 06 Jan 2023	New students' Orientation/assessments & placement exams/faculty Professional Development Week & colleges grade appeals decisions
Mon	09 Jan 2023	Start of classes
Fri	13 Jan 2023	Last day to add/drop
Fri	20 Jan 2023	Last day to suspend registration & last day to withdraw from full semester & Term A courses without failure
Tue	28 Feb 2023	Last day of Term A
Wed	01 Mar 2023	First day of Term B
Fri	17 Mar 2023	Last day to withdraw from Term B courses without failure

Spring Break

Mon - Fri	27 Mar - 07 April 2023	Spring Break for students & faculty
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Spring Semester 2023 continues ...

Mon	10 April 2023	Classes resume after Spring break
Fri	05 May 2023	Last day of classes
Sat - Sat	06 - 13 May 2023	Final Exams
Mon	15 May 2023	Start of Summer vacation for students
Fri	19 May 2023	Grades Announcement
Tue	23 May 2023	Deadline for students' grade appeals
Mon	29 May 2023	Start of Summer vacation for faculty

Summer Semester 2022

Mon	29 May 2023	Start of Summer classes
Tue	30 May 2023	Last day to add/drop
Fri	02 Jun 2023	Last day to withdraw from course without failure
Tue	04 Jul 2023	Last day of classes*
Wed - Thu	05 - 06 Jul 2023	Final Exams
Wed	12 Jul 2023	Grades Announcement
Thu	13 Jul 2023	Deadline for grade appeals

**Internship will begin one week after the start of semester.*

**Summer School will run for 5 weeks.*

**Course file submission must be within 2 weeks of the end of term/semester undergraduate courses.*

Holidays:

Prophet's Birthday	Sat 08 Oct 2022
Martyr's Day	Thu 01 Dec 2022
National Day	Fri 02 – Sat 03 Dec 2022
Eid Al-Fitr	Fri 21 Apr – Sun 23 Apr 2023
Arafat Day	Tue 27 Jun 2023
Eid Al-Adha	Wed 28 Jun 2023
Islamic New Year	Wed 19 Jul 2023

Note: All national and religious holidays are subject to change

Terminology

Academic Integrity	Refers to ethical behavior and principles such as honesty, responsibility, respect and fairness that guide conduct in an academic setting. For complete information, consult the Student Academic Integrity Code included later in this catalog.
Academic Probation	Status of any undergraduate student who has less than a 2.00 cumulative CGPA.
Academic Program	A set of courses which together lead to an academic qualification.
Academic Standing	Is a measure of the student's academic achievement relative to their degree requirements, and determines their eligibility to be admitted to and/or proceed in their academic plan and to qualify for graduation. It is usually determined by regulations governing good standing, probation and dismissal.
Academic Warning	A warning status resulting from the student's unsatisfactory conduct.
Academic Year	Is the period of time which the university uses to measure a quantity of study.
Add and Drop	Is the period of time at the beginning of each semester/term when students can adjust schedules by dropping or adding courses or changing sections of a course.
Admission	Formal acceptance as a student.
Advisor	Faculty member/administrator assigned to counsel students on academic matters. The student is called the advisor's "advisee."
Bachelor's Degree	A four-year minimum undergraduate degree.
Blended Courses	Blended Courses are courses where instructional sessions are mixed between F2F and online delivery. A course is considered a blended course when some of the course's instructional sessions are delivered online (either synchronously or asynchronously) and the remaining credit hours are delivered as F2F sessions.
Blended Program	A blended Program is a program in which less than 50% of its total credit hours are delivered online, and the rest is delivered F2F.
Calendar, Academic	Annual listing of all official events, dates and deadlines for the academic year.
Catalog Year	Unless altered, a student's catalog year is the year when the student was admitted to study at ZU. A student's catalog year denotes which specific set of graduation requirements will apply to that student.
Cocurricular	Enrichment and leadership development activities that are part of student life but are not part of the academic program, such as student activities, athletics and music.
Common Examinations	Examinations for courses with multiple sections scheduled at a common time. Courses with more than three sections and at least two instructors are eligible to be considered for a common examination time slot.
Concentration	A group of courses that represent a sub-specialization taken within the major field of study.
Co-requisite	A course required to be taken simultaneously with another course.
Course	A unit of study that is divided into weekly classes or lessons that covers a specific subject and defined learning outcomes. The course is time-limited and lasts for a term, one or two semesters. The student who completes the course requirements will receive the credit hours specified for the course.
Course Load	Total credits for which a student is registered in each semester or term.

Credit	The equivalent of 50 minutes of class instruction, two to three 50-minute laboratory sessions, or one or two 50-minute recitation sessions per week for one regular semester. Design courses, studios and visual and performing arts courses may be weighted differently.
Curriculum	A structured set of learning outcomes built into a specified set of courses.
Department	An academic unit of a college or school.
Dismissal	The involuntary separation of a student from the university for unacceptable conduct or unsatisfactory academic achievement. A student is academically dismissed when he/she fails to achieve academic good standing in three consecutive semesters.
Elective Course	A course selected at a student's discretion after consultation with their advisor.
E-learning	E-learning is a term applied to any form of learning which is digitally based. E-learning programs at Zayed University are offered in blended learning modes.
Face-to-Face (F2F) Courses	Face-to-Face (F2F) Courses are courses where faculty and students are compresent in one room during the course delivery. This is the traditional type of instruction in non-virtual, in-person classroom delivery. Synchronous online class sessions are not F2F learning.
Face-to-Face (F2F) Program	A F2F Program is a program in which all its credit hours are delivered F2F.
Fee	Charges for services; does not include course tuition.
Full-Time Student	An undergraduate student who is registered for 15 or more credit hours in each semester.
General Education Requirements	Requirements common to all undergraduate students designed to provide both breadth and depth in their academic degree programs.
Good Standing	Academic designation applied to an undergraduate student who has achieved a cumulative GPA of 2.00 or higher.
GPA	Grade point average of the grades earned in ZU courses.
Grade Points	Numerical value associated with each grade.
ID card	University student identification card providing and controlling access to university facilities and services.
Independent Study	Independent course (IC) or directed study (DS) beyond the courses offered in a specific semester conducted by a student under the supervision of a designated faculty member.
Major	The field of study in which a student specializes at the baccalaureate level.
Minor	A separate field of study in which a student has a secondary area of specialization requiring less course work than a major.
Official Transcript	The Official Academic Transcript is a certified document issued by the Registrar's Office that provides a complete, accurate record of a student's academic history.
Online Courses	Online Courses are courses where 100% of the course credit hours are delivered online (either synchronously or asynchronously), this means that all instructional sessions are delivered online.
Petition/Appeal	A written request seeking a waiver of or an exception to a university regulation, policy or deadline.
Placement Test	A proficiency examination given to determine a student's ability in a subject where competence is an important consideration. Placement test scores determine whether the corresponding preparatory course will be waived.

Preparatory Courses	Undergraduate courses designated as 00X. Students may be waived out of these courses by placement tests. Preparatory courses do not count in the credits earned toward a degree, but they do count in the grade point average.
Plagiarism	Using the existing work of other people requires acknowledgement, usually in the form of citations and references, otherwise it is considered plagiarism.
Prerequisite	A course required to be completed prior to registration in another course.
Readmission	The act of admitting a student back to the university through the Office of Enrollment Management/Undergraduate Admissions after an interruption of studies for more than one semester. Academically dismissed students are not eligible for readmission.
Registration	The process of enrolling in classes.
Regular Student	A degree-seeking student.
Reinstatement	The exceptional act of allowing an academically dismissed student to resume studies following dismissal.
Required Courses	Courses other than free electives prescribed by the college /school necessary for the completion of a degree program.
Schedule, Class	A list of courses offered during a semester that specifies the days, hours, locations of classes and the names of the instructors.
Semester	A semester is the default period of instruction, consisting of 15 weeks followed by an examination period..
Student Academic Record	The Student Academic Record is maintained by the university to record a student's cumulative academic history, including personal identification information, admission, registration, academic performance, and official correspondence for each student enrolled in an undergraduate program.
Student Schedule	A listing of the courses a student is taking in each semester that specifies the days, hours, locations of classes and the names of the instructors.
Suspension	A voluntarily separation of a student from the university for personal reasons. Suspension extends up to two semesters consecutive or non-consecutive.
Term	A period of instruction and exams that is shorter than a semester.
Transcript	A student's historical academic record.
Transfer Credit	Credit from course work completed at another institution that is accepted at ZU and which may or may not be applicable toward a specific ZU degree.
Transfer Student	A student admitted to ZU after having met the ZU transfer student admission requirements. Credits completed at the student's previous university may or may not transfer to ZU.
Tuition	The fees charged for courses each semester or term.
Undergraduate	A student who is working toward completion of a bachelor's degree.
Withdrawal	The act of officially leaving the university for reasons other than graduation. Students may withdraw from individual courses without withdrawing from the university.

The Zayed University Academic Program Model

Zayed University takes seriously its charge to become the leading university in the region and is committed to preparing educated citizens who are fully prepared to become leaders in their community, nation, and world. To that end, the University has developed its undergraduate and graduate academic degree programs.

To prepare undergraduate students for a rapidly changing and unpredictable future, the University has created an outcomes-based Academic Program Model. A primary objective of the undergraduate experience at Zayed University is the development of the skills necessary for lifelong learning.

The Academic Program Model supports that end by providing students with a foundation and framework for their intellectual growth. Every course focuses on one or more of the six University-specified learning outcomes. Because the learning outcomes are incorporated into normal course work, they are an integral part of the disciplinary content and evaluation of the course. Threaded throughout the baccalaureate curriculum, the learning outcomes help students in achieving a higher order of intellectual development.

Students enter the baccalaureate degree program by declaring a major upon admission to the university. Students follow a course plan based on their major program of study, with courses consisting of both major requirements and general education. General education provides an interdisciplinary curricular foundation supportive of the University learning outcomes and the development of skills critical to lifelong learning and leadership.

The general education constitutes 40 hours of academic credits. The program learning outcomes develop academic and professional competencies necessary for graduates to function effectively and independently as scholars or practitioners in a chosen field.

In achieving their learning outcomes, Zayed University students do more than simply satisfy a set of course requirements. They apply their learning to real-life situations and learn from their experiences. Students develop deep understanding of the academic disciplines and are able to apply the theory and methods of their disciplines to conditions in their own lives. Graduates of Zayed University are fluent in both Arabic and English languages and well-prepared for their chosen profession and advanced academic study.

Zayed University Learning Outcomes (ZULOs)

The faculty at Zayed University (Zayed University) have identified the following six learning outcomes that they believe are essential in assuring the future success of Zayed University graduates.

- **Critical Thinking and Quantitative Reasoning:** Zayed University graduates will be able to demonstrate competence in understanding, evaluating, and using both qualitative and quantitative information to explore issues, solve problems, and develop informed opinions.
- **Global Awareness:** Zayed University graduates will be able to understand and value their own culture and other cultures, perceiving and reacting to differences from an informed and socially responsible point of view.
- **Information Literacy:** Zayed University graduates will be able to find, evaluate, and use appropriate information from multiple sources to respond to a variety of needs.
- **Language:** Zayed University graduates will be able to communicate effectively in English and Modern Standard Arabic, using the academic and professional conventions of these languages appropriately.
- **Leadership:** Zayed University graduates will be able to undertake leadership roles and responsibilities, interacting effectively with others to accomplish shared goals.
- **Technological Literacy:** Zayed University graduates will be able to effectively understand, use, and evaluate technology both ethically and securely in an evolving global society.

Students focus on the importance of those abilities from the first day they enter the University through to the end of their baccalaureate program. They demonstrate their accomplishments through work completed in their courses, and they reach acceptable levels of proficiency in the Zayed University Learning Outcomes and specific Program Learning Outcomes by graduation.

Zayed University Pedagogical Framework

Zayed University is committed to fostering a student-centered learning environment that is characterized by the following approach to teaching:

1. Active and Varied:

The Zayed University faculty member adopts a variety of active teaching-learning strategies, tailored to each learning task and to the intended learning outcomes.

2. Collaborative and Individual:

Cooperative group learning tasks, as well as individual learning tasks, are integral to each Zayed University course.

3. Content-rich and Language-rich:

Instruction focuses on the development of in-depth knowledge, along a continuum from richer in-language, to richer-in-content in the baccalaureate and graduate programs.

4. Facilitated by Technology:

Appropriate educational technology is integrated into every Zayed University course.

5. Interculturally attuned:

Teaching in Zayed University requires global awareness, sensitivity to local culture, a

commitment to developing intercultural competence, and a commitment to learning from students.

6. Interpersonally oriented:

Successful learning at Zayed University is facilitated by building positive relationships with students, while maintaining a professional demeanor and holding students accountable.

7. Learner focused:

The Zayed University faculty member evaluates and builds on learner knowledge and strengths, while addressing learner needs.

8. Practical and Theoretical:

Instruction lays solid theoretical foundations, as appropriate to the level of study, while having a real-world orientation.

9. Reflective:

Instructors strive to be reflective educators who enable reflective and critical learning in students.

10. Supportive:

The Zayed University faculty member fosters student dispositions of leadership, creativity, innovation, self-responsibility, and lifelong learning in a supportive learning environment.

The Student Academic Experience

Academic Integrity

Definition

Academic integrity means acting with the values of honesty, trust, fairness, respect, and responsibility in teaching, learning and research. Adherence to these core values will ensure that Zayed University fosters a community dedicated to the achievement of the highest standards of moral conduct and excellence.

Zayed University Honor Code

In the Name of God Most Gracious Most Merciful

As a student of the University that carries the name of the beloved and revered father of the nation, the late Sheikh Zayed Bin Sultan Al Nahyan (may his soul rest in eternal peace), I pledge to:

- Demonstrate the virtues of honesty, respect and fairness
- Adhere to the highest standards of personal moral conduct
- Refrain from any and all forms of academic dishonesty
- Present a positive image of myself by acting

with maturity and honor

- Take responsibility for my actions and do my part to maintain a community of trust
- Dedicate myself to the achievement of the University's excellence

I promise to honor Sheikh Zayed and to preserve his legacy by following the example set by the wise and beloved father of the United Arab Emirates.

Academic Offences

General

- a. The types of violations give a general explanation of the behavior expectation of the academic community and then some examples of inappropriate behavior. The examples are not exhaustive and are intended to be illustrative.
- b. "Academic work" is a general term that includes papers, reports, oral reports, presentations, quizzes, laboratory reports, projects, and any other type of coursework assigned as a part of a course.
- c. Examinations are generally separate from coursework. An "examination period" is any time that a faculty member is giving a quiz, test or assessment that is to be done

independently, or it may be a more formal midterm or final examination.

Unintentional Misconduct

There may be times when students unintentionally engage in misconduct because they do not understand established appropriate academic practices. It is important that students are given support to understand what the appropriate practices are, but that they are not allowed to repeatedly make the same mistake. An example of unintentional misconduct is 'not properly citing and referencing sources'.

Plagiarism

Using the existing work of other people requires acknowledgement, usually in the form of citations and references, otherwise it is considered plagiarism. Examples of plagiarism include:

- a. Copying another's work, either word for word or by making modest changes but keeping the structure, much of the language, and the main ideas the same.
- b. Using someone else's words, images or ideas without crediting that person. If using someone else's words, they must be identified by putting quotation marks around them and citing the source. If an image is included, the source of the image must be cited. If paraphrased work is included, it must be cited. Every source used in a paper must be identified in the list of references.

Inappropriate collaboration without acknowledgement

Close collaboration in academic work requires acknowledgement. Examples of inappropriate collaboration or unauthorized assistance include:

- a. Buying, borrowing, commissioning or otherwise obtaining academic work from someone else and handing it in as if it were one's own.
- b. Working with someone not authorized by the faculty member in the development, organization, revision or editing of academic work without acknowledging that person's help.
- c. Unauthorized assistance may include help from peer, tutors, or editing services without the prior permission of the faculty member.

Dishonesty in examinations

Examinations (and quizzes, tests) submitted by students should be done independently, unless students have been given prior permission from the faculty member. Examples of dishonesty in examinations and submitted work include:

- a. Consultation of inappropriate resources like using a textbook, notebook, dictionary, calculator, phone or notes during an examination period without prior permission

of the faculty member.

- b. Looking at another student's test or quiz or allowing another student to look at one's own during the examination period.
- c. Communicating, with or without technology, (for example, using a phone, computer or hand signals, talking, etc.) with anyone other than the proctor/faculty member during an examination period without the prior permission of the faculty member.

Inappropriate proxy

Students must attend their own classes and complete their own examinations. Examples of inappropriate proxy include:

- a. Impersonating another student at an examination.
- b. Signing in for another student for class attendance.

Work completed for one course/purpose and submitted for another

Academic work submitted should be created and submitted only for that assessment. Examples of inappropriate multiple submissions include:

- a. Submitting academic work originally completed for another course or purpose as if it is a new piece of work without prior permission of the faculty member.
- b. Making minor revisions to academic work for which credit has already been received and submitting it again as a new piece of work.

Deliberate falsification of data

Students should not deliberately attempt to alter university records, grades, research or academic work without authorization. Examples of falsification of data include:

- a. Forging university documents to change grades, forging a signature on a university form.
- b. Inventing or counterfeiting data or research procedures to give the appearance of results being achieved from procedures that were not undertaken.
- c. Creating a false citation of a source of information.
- d. Submitting a false excuse for absence or tardiness.

Complicity in academic dishonesty

Students should not intentionally support or help other students to commit academic dishonesty. Examples of complicity include:

- a. Doing work for another student.
- b. Giving/sending an advance copy of an exam to another student.
- c. Willfully giving answers to another student

in an exam.

- d. Purposely distracting a proctor/instructor so another student can avoid being caught being dishonest.
- e. Deliberately communicating with a student while they are taking an exam.

Library and Learning Commons

Zayed University Library and Learning Commons provides access to information in electronic, print, audiovisual, and multimedia formats, as well as housing student academic support services from across the university. Students and faculty members access electronic information and collections through the online catalog and library website. The library provides a comfortable environment and helpful services to support reading, research, and individual and group study. In the library and in classrooms, librarians teach students how to find, critically evaluate, use, and cite information sources.

The library on each campus has growing English and Arabic collections, including books, magazines and newspapers, videos, and sound recordings.

A wealth of information and thousands of journal articles are available through online databases that are selected and licensed for the Zayed University community for access on and off campus. The Emirates Collection offers material about the Emirates and books written by Emiratis. The University archives are housed in the Abu Dhabi library.

The libraries offer computers, printers, and scanners, as well as a wireless environment and connections for laptop computers. Students may use pre-paid cards for photocopying. Library facilities are open Monday through Friday during the semester.

The library promotes student achievement in information literacy, that is, the ability to access, evaluate, and use information effectively. For more details and the most current information about the library, visit www.zu.ac.ae/library.

Learning Commons

The Learning Commons blends student academic support services, scholarly research, collaborative learning, and social interaction in a technology rich, light-filled environment. The Library and Learning Commons works with the degree-granting colleges and PALS to provide support for language development, academic writing, mathematics, etc. In designing and executing these services, the Library and Learning commons staff work closely with academic and student support services from across the university to provide students with a

“one-stop shop” for academic support.

Curriculum Resource Centers

Located in each campus library, Curriculum Resource Centers (CRC) provide collections and instructional equipment for students enrolled in the College of Education, particularly those preparing to be teachers. The resources are specifically selected and designed to support pre-school through grade 12 classroom activities. They include computers, laminators, button- makers, puppets, specialized kits, sample textbooks, and print and electronic items. CRC staff members instruct and assist students in using the materials and equipment. Staff members engage in outreach activities for local school teachers. CRC hours are the same as those of the libraries. For more information see the Library website at www.zu.ac.ae/library.

Computing Services

The mission of the Department of Computing Services is to connect people, processes, and content through the effective use of reliable information, computing, telecommunications technologies, and consulting services in support of the University’s core mission.

Computing Services comprises several integrated functional areas responsible for media, data, video, and voice enterprise activities throughout the university. Virtually all campus computers are tied together into local area and wide area networks by a campus-wide high-speed fiber-optic-based backbone. These networks support instructional, research, and administrative functions and provide connection to workstations located in campus instructional laboratories and faculty and Learning Support Services administrative offices. The backbone network is linked to the Internet, connecting the university to all major educational and research sites in the world. Internet connectivity allows Zayed University to offer a host of services in addition to basic workstation-to-computer access.

Some available services include e-mail delivery; distributed availability of data and programs via interconnected file servers; UseNet news feeds (a worldwide electronic bulletin board and information service); remote file access to distant sites (including archives of Macintosh and PC-compatible freeware and shareware); World Wide Web access; library electronic databases; compressed video and compressed audio communications.

Most university computing laboratories for students are open during regular teaching hours. Some instructional computing laboratories are staffed with lab assistants to help students and faculty. Various types of microcomputer workstations, sophisticated graphics displays, and graphics

printers are available for student and faculty use.

Service Desk

The Service Desk is the first point of contact for students, faculty, and staff seeking resolution to problems with software, network connectivity, and hardware. The Service Desk troubleshoots hardware and software problems with laptops, desktops, and peripherals such as printers and other IT equipment. The Service Desk also supports audiovisual equipment and inspects,

Baccalaureate Program

General Education Program

The General Education program is intended to provide students in all baccalaureate programs offered by Zayed University with essential skills and knowledge that would form an integral component of their undergraduate education. The program requirements cover skills and areas such as critical thinking skills, communication skills, humanities, Islamic studies, Emirati studies, Arabic, innovation and entrepreneurship, sustainability, mathematics and science, and information literacy and the application of technology.

Programs, Specialisations and Concentrations

Zayed University offers a range of programs and concentrations that lead to a Bachelor's degree.

The college sections of this catalog, include the admissions criteria, Program Learning Outcomes, and graduation requirements.

Internships

Internships at Zayed University emphasize active, hands-on, applied learning in the workplace. Students deepen their understanding of the value of education as they confront the daily demands of work in a particular professional environment. Internships also allow potential employers the opportunity to see Zayed University students in action. Every program requires an internship, which students normally perform in their last year. Initially, the internship course addresses relevant professional development issues such as placement negotiation, professional conduct and dress, work ethics, interpersonal communication, and initiative. Throughout the internship, faculty supervisors monitor student performance and manage employer issues.

Each college is responsible for its internship program and works in collaboration with students and community representatives to define the purpose, experiential learning outcomes, and guiding goals for each intern. Student progress is measured by achievement of clearly defined learning outcomes. At the close, students make a final report to their college faculty, in which they perform a structured reflection and critical review of their experience that helps them to make better,

tests, and diagnoses problems with IT equipment in classrooms and other campus buildings.

Technology Tools

Each student is required to purchase a laptop computer and/or an iPad for use throughout the student's stay in the university. The university specifies the computer and provides a standard set of software. The student is expected to maintain and protect the computer and to repair or replace it if it is damaged or lost.

more informed career decisions upon graduation.

Assessment of Zayed University Learning Outcomes and Program Learning Outcomes

Students are introduced to the Zayed University Learning Outcomes through their courses early in the general education program and are assisted in developing these key skills throughout their undergraduate experience. Attention to university outcomes continues in the programs through the Program Learning Outcomes (PLOs).

These PLOs are disciplinary versions of the ZULOs. The Zayed University learning assessment process helps improve the curricular program through an ongoing review process that examines the relevance of course content and assignments to the Zayed University Learning Outcomes, as well as course and program learning outcomes.

Through this continual process, students are able to recognize their own behaviors as leaders, team members, and critical and global thinkers. They are able to use their powers of information gathering, analysis, and reflection and their information-technology and language skills in establishing lifelong patterns of learning that will carry them beyond graduation.

Each academic program develops a detailed assessment program for measuring student attainment in the ZULOs and the PLOs that are aligned with them.

By reviewing selected assignments across sections and over time, faculty assessment teams coordinated by the University Steering Committee for Learning Outcomes Assessment, can determine if stated outcomes — individual course, University, and program outcomes (when appropriate) — have been met. Assessment of student work is a phased process which, over a three-year period, should provide evidence of curricular success. It also provides students and student advisors with snapshots of an individual's performance from year to year. Faculty who choose to include reflective practice as part of the assessment assignments provide students with a valuable tool to assess their own learning progress.

Academic Support Services

Advising

Center for Student Success

The Center for Student Success coordinates advising services and provides academic support to undergraduate students. Services include academic advising, student success workshops, parent workshops, small learning communities, and degree audits. The Center for Student Success helps students find information about campus resources, how to select or change programs, degree progress reports, and offers guidance to students on how to achieve their desired academic goals. Every semester, the Center for Student Success collaborates with academic and campus units to organize the Majors Day and Resource Fair.

Student Success Workshops

The Center for Student Success offers a series of regular workshops on a variety of topics related to academic success. Students will find the help they need to develop effective study skills and concrete strategies for success to reach their full academic potential. More information about workshop offerings per semester can be found at the ZU events calendar or on the Center for Student Success website. Some programs include academic and communication skill building, goal setting, and advising and registration planning. The Center for Student Success activities and events are announced through email.

Academic Advising

Zayed University is committed to helping students successfully complete their studies. In addition to the support your college and faculty provide you, ZU offers a wide range of other support opportunities.

Through deliberate advising, Zayed University is committed to supporting undergraduate students with their academic, career, and personal choices. Faculty, student success advisors, and student life personnel together provide a support network to help students succeed. Students are assigned a faculty advisor with whom they check in to ensure they are maintaining good academic progress, are taking the right courses they need, and are maximizing their university experience. Students in need of additional/ intense advising are assigned to student success advisors from the Center for Student Success where they work on strengthening their academic skills, and ensuring that they connect with available campus resources when needed.

Faculty Advisors

Faculty Advisors provide students with one-on-one academic advising tailored to meet discipline specific academic needs. They provide students with support for academic progress, information on University programs and services, and discipline-specific knowledge about course choices, career and/or graduate school choices, and other academic opportunities available.

Faculty Advisors will be able to provide students with the following support:

- a. One-on-one mentoring;
- b. Field-specific insights (guide the student with decision making and career direction);
- c. Guidance on course selection and academic planning;
- d. Suggestions for improving or enhancing student academic performance;
- e. Interacting with Academic Advisors to discuss student advisee progress, and suggest remedial solutions for problems that may arise based upon reports provided by the Academic Advisor;
- f. Frequent interaction with at-risk student advisees to discuss ways to move forward, and provide feedback to the Academic Advisors regarding specific student cases;
- g. Reviewing the study plan developed by the Academic Advisor for each advisee (available in GradesFirst and/or in the Academic Portfolio), reporting any issues to the Academic Advisor that require action;
- h. Referring student advisees to appropriate resources; and
- i. Discussing and reinforcing linkages and relationships between the instructional program and an occupation/career.

Parent Workshops

Parent workshops are designed to help parents learn more about the college experience and how they can help prepare their student for college success. Workshops are offered during orientation and throughout the year on the college campus and at local schools.

Faculty Assistance

Members of the faculty are readily available to assist students in their academic work outside of regular classroom and laboratory hours. Course syllabi contain a listing of times when faculty members are normally available for meetings with students. To arrange a meeting outside of the posted office hours, students contact the faculty member directly.

Textbooks and Instructional Materials

Textbooks and related instructional materials are provided to students at no cost. Students must pay to replace lost or damaged books, materials, or equipment.

Financial Assistance

Zayed University offers limited financial assistance to students who request help in purchasing laptops or paying for meals or transportation. Students requiring financial assistance are encouraged to contact the Student Support Unit, Student Affairs Deanship, to apply for assistance.

Student Accessibility Services

The objective of the department of Student Accessibility Services (SAS) is to provide Students of Determination with equal educational opportunities by offering full academic, social and vocational support.

SAS offers a wide range of support services to Students of Determination (students with Physical Disabilities and Learning Difficulties). These services include assessments and screening of students for suitable accommodation, according to their individual needs. An Individual Educational Plan (IEP) is created for students with Learning Difficulties which outlines the skills they need to achieve academic success.

Zayed University students are encouraged to participate in SAS events and activities. SAS offers a wide range of opportunities to build the capacity of all students on inclusivity related areas of expertise and other functional skills aiming at enhancing Zayed University inclusivity.

SAS administers three state-of-the-art centers, two of them cater for Physical Disabilities, the Humaid Matar Al Tayer Assistive Technology Resource Center in Abu Dhabi and the Khalaf Al Habtoor Assistive Technology Resource Center in Dubai. The third center, the Abdul Wahid Al Rostamni Inclusive Learning Center in Dubai introduces students to the latest technology including accessibility features and applications available which will enhance students' technical skills and provide a unique learning experience.

Student Activities and Support Services

Student Services

Zayed University is committed to providing a wide range of high quality student services to support student life on campus. The Student Affairs Deanship has three main units that provide diverse services. These are the Student Leadership Department, Student Counseling Center, and the Alumni and Student Careers Office. The Student

Support Unit is also under Student Affairs Deanship and provides financial services to students.

Coaching

Coaching is offered to interdisciplinary students under the umbrella of the Student Life Department. Coaching is done between coach and students through a thought-provoking and creative process that inspires students to maximize their personal and professional development.

Coaching is a conversation where the coach asks the student reflective questions to help them gain a deeper understanding of their values, purpose, and motivators in order to take the best action to achieve their objectives. Coaching may also be about increasing self awareness and understanding of any individual's unique values, strengths, and potential. These conversations are a shared responsibility between coach and student where both parties are equally invested in the coaching process.

For further details regarding Coaching see the [Student Handbook 2022-2023](#).

Student Council

The Student Council serves as a liaison between students and administration. The Student Council represents the voice of the students and provides its members with a leadership opportunity to assist and organize activities for all students. The Student Council also represents the Zayed University students in major community programs (conferences, summits, national initiatives) as well as meeting with national and international visitors and guests of the university. Students interested in being considered for membership on the Student Council should apply to the Student Leadership Department.

Student Organizations and Clubs

The Student Centers and Clubs offer students a wide range of opportunities to enhance their campus life experience. Activities and events are offered on both campuses and are aimed at enhancing students' learning experience at ZU. Through participating in club activities students will develop their soft skills such as presentation skills as well as enhance their event management skills.

Extracurricular activities

The academic calendar is usually full of many programs and activities/events that are designed to meet students' interests and to contribute to their overall learning and development while they are on campus. These programs offer students opportunities to engage with their peers in a meaningful way and to participate in off-campus activities (e.g., conferences, exhibitions, training courses, and community service). Also, Zayed

University strives to offer students opportunities for study abroad programs so students can engage in community services, volunteerism or develop their leadership skills.

For further details regarding Civil Social responsibility (Volunteering) see the [Student Handbook 2022-2023](#).

Sports Activities

Zayed University offers student athletes opportunities to participate in local and international competitions. Also, the university provides sports facilities and training for the use of all students on campus.

For further details regarding Sports Activities see the [Student Handbook 2022-2023](#).

Global Connect

ZU is a regular participant in the Global Connect Program (over 300 students have completed the connect program). Global Connect aims to improve communication and cross-cultural understanding between students from different countries. Global Connect enables students to communicate, virtually, with university students across the Middle East, North Africa, and the USA. Participation is free and open to all enrolled ZU students. Places on the program are limited to 100 students. Enrollment begins in September and is announced campus-wide by a Campus Announcement email.

Leadership Development

Students are encouraged to participate in leadership roles in the university (membership in Student Council, chairing a club, joining committee, co-organizing major events) and outside the university.

Career Services

The Student Careers & Alumni Department aims to prepare ZU students to the job market by offering a wide range of Career development services and programs and support their journey as ZU Alumni. These services include Career counselling, Career development workshops, self- assessments, Employment opportunities (part-time on-campus employment and off campus part-time, summer jobs and internship). The student Careers & Alumni department has a dedicated portal that helps students benefiting from the opportunities offered via the platform by the different employers as well as the other resources available. For more information please visit <https://www.zu.ac.ae/main/en/student-careers/index.aspx>.

Counseling Services

The Student Counseling Center (SCC) aims to help students overcome personal and academic challenges and achieve their highest desires

of educational goals. In addition, the SCC assists students in developing their problem-solving capacities and improving their personal relationships to reach their potential for personal growth and wellbeing. Our counselors are professional, non-judgmental practitioners who respect privacy and uphold the ethic of confidentiality.

The Student Counseling Center's services include Individual Counseling, Academic Accommodation, Health Services, and Outreach Activities to increase awareness of the importance of mental health and psychological wellbeing.

For appointments, students enrolled at the Dubai Campus can contact Ms. Sara AlMarzooqi, Sara. AlMarzooqi@zu.ac.ae, and students enrolled at the Abu Dhabi Campus can contact Ms. Amal Bin Alwai, Amal.BinAlawi@zu.ac.ae.

Alternatively, students can email Counseling@zu.ac.ae.

Health Services

Zayed University Health Services fall under the supervision of the Student Counseling Center, which is part of the Student Affairs. Zayed University Health Clinics are accountable for providing primary care and emergency interventions. The clinics offer medical support and accommodations for students with chronic and acute health conditions. Furthermore, ZU clinics play an active role in promoting health and wellness through educational campaigns, health orientations, and activities to support students in reaching their optimal health so they can achieve their academic and personal potential.

The Wellness Center in Dubai is operated by Dubai Health Authority (DHA).

The ZU Clinic in Abu Dhabi is operated by the Canadian Medical Center (CMC).

For contact information, see [Student Handbook 2022-2023](#).

Financial Aid

The Student Support Unit at Zayed University provides its undergraduate students with financial support opportunities, educational devices, and monthly stipends. These opportunities are exclusively focused on supporting students whose financial situation may prevent them from continuing their higher education. The Student Support Unit receives applications and ensures that any support given follows the University's rules and regulations. Financial support decisions are taken according to strict guidelines and the availability of resources.

For further information visit the Office of Student Support: <http://zu.ac.ae/oss>

Student Housing

Zayed University's Abu Dhabi Campus offers safe, gender-segregated, comfortable and clean, on-campus residences for full time undergraduate or graduate national & international students on a chargeable basis. The residences offer a wide range of facilities including laundry, gym, quiet study room, and recreational area. Admissions to the residences are only accepted at the beginning of the Spring and Fall semesters.

For further details regarding Student Housing see the [Student Handbook 2022-2023](#).

Student Code of Conduct

In addition to the Honor Code, Zayed University, as do most universities, has a Student Code of Conduct. It is important to have a Student Code of Conduct because, like the U.A.E, Zayed University is a multi-cultural environment. It is, therefore, important to respect the norms of all cultures represented in Zayed University. It is important to understand the cultural environment around you and behave accordingly.

The essence of the Code of Conduct is that all students are expected to adhere to the University's rules and regulations, and be polite to everyone (including the support staff). The reason for having a Code of Conduct is that it promotes the kind of behavior that creates a positive campus environment where everyone enjoys being on Campus. Code of Conduct Policy: <https://ppoliciesprocedures.zu.ac.ae/Policy/DownloadAttachment/697>

Student Rights and Responsibilities

Student Rights

The University will treat you with respect and ensure that your rights are protected. The University will maintain the confidentiality of its transactions with you, except where it is the University's obligation to inform your parent or guardian of your academic progress or personal behavior.

- a. Within the University, students will be encouraged to think critically and globally, understand and appreciate diverse views, and develop the intellectual competencies and work habits appropriate to their field of study and career aspirations.
- b. Students have the right to receive academic and non-academic support as required in line with standard University policies and procedures.
- c. Students have the right to examine and exchange diverse opinions in a respectful and orderly manner, whether in or out of the classroom, in person, or online.
- d. Students have the right to offer suggestions or to provide constructive feedback on ways

to improve the University through appropriate, authorized University channels.

- e. Students have the right to be involved in University-approved extracurricular programs and activities, to become members of existing clubs, or to form new clubs in line with standard University policies and procedures.
- f. Students have the right to use the University's sports facilities in line with University policies and procedures and the sports facility's rules and regulations.
- g. Students have the right to appeal academic decisions in line with standard University policies and procedures.
- h. Students have the right to complain or express concerns about nonacademic issues in line with standard University policies and procedures.

Student Responsibilities

- a. Students have the responsibility to be aware of and abide by the UAE laws.
- b. As members of the Zayed University community, students are responsible for upholding high standards of personal conduct always.
- c. Students are responsible for abiding by the University's regulations on the use of social media and all other online platforms.
- d. Students are expected to obey the rules and regulations of the University as laid out in this Student Handbook and University Catalog.
- e. Students are expected to abide by all rules and regulations expressed in the Code of Academic Conduct, the Code of Student Conduct, and the University Honor Code.
- f. Students are expected to familiarize themselves with these codes and their obligations and responsibilities toward the institution, its faculty, and staff, other students and visitors to the University.
- g. Students are responsible for treating all other students, faculty, staff, and visitors with respect and without discrimination of any kind in both word and deed.

Sensitive Materials and Incidents

The University adheres to the United Nations Universal Declaration of Human Rights, Article 19, which states: "Everyone has the right to freedom of opinion and expression; this right includes freedom to hold opinions without interference and to seek, receive, and impart information and ideas through any media and regardless of frontiers."

In a university, the student may encounter ideas or images that fall outside the student's personal value system or frame of reference. Zayed University's goal is not to alter the student's

beliefs or values but rather to educate globally aware, responsible graduates with the capacity for independent critical judgment, exhibiting respectful understanding of diverse points of view and a tolerance for perspectives that differ from their own, as Islam promotes. The university is sensitive to local contexts, laws, and customs.

Off-Campus Activities

Instructionally related off-campus experiences, such as work internships, field trips, study abroad, and research projects are key elements of the Zayed University curriculum. They provide meaningful interaction with local and international communities and reflect University priorities and the University and Program Learning Outcomes. These activities in effect take place during the regular class day and are supervised by the University. Students are required to attend these activities as part of their regular course requirements.

No special parent/guardian permission is required for students participating in off-campus academic trips within the city or surrounding area. Successful completion of any course at Zayed University requires participation in all course-related assignments.

Placement of Interns

The University reserves the right to determine placement of interns, without further permission of parent or guardian.

Gender Segregation

1. Zayed University undergraduate student classrooms and labs will either be segregated by gender or coeducational depending on the designation of the academic course or program being taught.
2. Academic courses delivered in online mode will not be segregated by gender.
3. On each ZU campus, the following areas will be designated as being either segregated or not segregated by gender as required:
 - a. common areas, such as the atrium/promenade, library, cafeteria, convention center, sports facilities, campus gates/entrances or outdoor spaces.
 - b. access to administration offices and/or support services.
 - c. prayer rooms, toilets, and student residences.
4. When physical constraints do not permit gender segregation at all times, either:
 - a. strict time limits will be put in place to allow only males or females to access the area at any one time, or
 - b. gender specific areas will be allocated as appropriate.

5. Should it be necessary for a male to enter a female-only area, or vice versa, appropriate authorization must first be obtained.

6. The University President and/or Vice-President retains the authority to impose gender-segregation restrictions on any university events or classes as deemed appropriate.

Admission and Registration Policies and Processes

Admission to Zayed University

Application for Admission for National Students

The student wishing to enter Zayed University directly from high school must:

- Submit a completed application form for admission to the National Admissions and Placement Office (NAPO). This form is used for admission to all national institutions of higher learning in the United Arab Emirates.
- Indicate a preference of institutions and select the program of study. When possible, the student's preference is considered in placement, but the student is not guaranteed admission to Zayed University.
- Take the Emirates Standardized Test (EmSAT).

Admission Requirements

To be eligible for admission to Zayed University, the applicant must possess a valid U.A.E. National Identity Certificate and valid U.A.E. passport. All applicants must complete 12 years of schooling in order to be given consideration for admission to the U.A.E. institutions of higher education.

Applicants must also:

1. Have graduated from high school within one year of the application date (all other applications require special authorization); and
2. Have completed the General School Leaving Certificate and met the required high school score and EmSAT score as per the college admission requirements table.
3. Graduates from accredited private high schools (national and international) may be considered for admission if they satisfy any ONE of the following criteria:
 - a. For schools following the United Arab Emirates. Ministry of Education curriculum, the submission of the school leaving certificate issued by the private secondary school certifying completion of grade 12.

- b. For students who have completed the GCSE/IGCSE and GCE, the submission of a certificate issued by the private secondary school certifying completion of grade 12 or 13 with successful completion of a minimum of five (5) subjects at the GCSE/IGCSE Ordinary level and two (2) subjects at the GCE Advanced level with a minimum grade of C. Arabic and Islamic studies are not included in the (7) subjects required for admission.
- c. For International Baccalaureate program students, the submission of a certification of completion of the International Baccalaureate Diploma with at least 24 points.

The private school certificate should be attached to NAPO’s admission application after attestation and equalization from the Ministry of Education, except for GSC school certificates. Applying for admission does not guarantee admission. These are minimum admission standards subject to change in any year. Selection depends on satisfactory GSC subject marks and overall average and the availability of space.

The Emirates Standardized Test (EmSAT)

All national applicants must achieve a minimum score of 1250 on the English exam of the Emirates Standardized Test (EmSAT). Applicants with an EmSAT English score of 1100 may be conditionally admitted provided they achieve the minimum English language proficiency requirement by the end of one academic year. All students are expected to take the EmSAT Math and Arabic exams. Applicants with an EmSAT Arabic score of less than 900 and/or EmSAT Math score of less than 500 will be required to take remedial zero-credit courses in these subjects. An EmSAT Math of 500 is an admission requirement for the College of Technological Innovation.

National students attending private secondary schools and planning to enter Zayed University

must take the EmSAT examinations.

International Students

Zayed University welcomes applications from International students who meet the admission criteria listed and as space and resources permit. Please log in to: <https://application.zu.ac.ae/>

International Students Scholarship program

Zayed University offers three types of scholarship at the beginning of each academic year (subject to fund availability and Senior Management approval).

1. Undergraduate Merit Scholarships
2. Undergraduate Family Grant
3. Undergraduate Tuition Fee Discount for Children of ZU Employees

How to apply for a scholarship?

Login into ZU e-service: <https://eservices.zu.ac.ae/main>.

Undergraduate Tuition Fees

1. Tuition fees for self-funding national (non-current) and non-national undergraduate students are applicable for all semesters and shall be paid per credit hour.
2. The credit hour rate is AED 2,500 plus VAT.
3. All fees shall be payable as per the deadline specified by the university.
4. Self-funding students can pay in full or by installment according to the university’s installment scheme.
5. The university reserves the right to change its fees at any time subject to the
6. approval of the University Council.
7. Students who are sponsored by an external party must provide an official letter indicating the amount the sponsor is paying.

Undergraduate Admission Requirements

Degree Program	UAE High School or Equivalent (one of the below)			English Language (one of the below)			EmSAT Math
	General	Elite & Advanced	Applied Stream	EmSAT	IELTS Academic	TOEFL iBT	
BFA Animation Design	80%	75%	80%	1250	5.5	71	750
BFA Graphic Design	80%	75%	80%	1250	5.5	71	750
BFA Interior Design	80%	75%	80%	1250	5.5	71	750
BFA Visual Arts	80%	75%	80%	1250	5.5	71	750
BS Multimedia Design	80%	75%	80%	1250	5.5	71	750
BS Business Transformation	80%	75%	80%	1250	5.5	71	750
BS Social Innovation	80%	75%	80%	1250	5.5	71	750

BS Computational Systems	80%	75%	80%	1250	5.5	71	750**
BS Sustainability	80%	75%	80%	1250	5.5	71	750

* All applicants are required to pass an interview as part of the admissions process.

** Minimum requirement for pre-major. Requires passing a test after one (1) year in the program if the pre-admission Math score is below 900.

American System	Pass 5 subjects with a minimum total average of 80% (excluding Arabic and Islamic Studies)
British System	5 O-Levels & 2 A/AS Levels with a grade of B or higher (excluding Arabic and Islamic Studies)
International Baccalaureate	IB Diploma with a minimum score of 24 points

Undergraduate Transfer Admissions, Change of Program, and Transfer Credits

Definitions

1. National students are those who have a U.A.E. passport and U.A.E. National Identity Certificate (U.A.E. Family Book).
2. Non-national students are those who do not have a U.A.E. passport and/or U.A.E. National Identity Certificate (U.A.E. Family Book).

Policy

1. Zayed University admits national and non-national students who meet the criteria for undergraduate transfer admission.
2. Zayed University undergraduate students who wish to change from one academic program to another within the university must meet the admissions criteria and requirements for the academic program they wish to transfer to.
3. No transfer students will be admitted under the conditions stipulated for conditional admission.
4. Transfer credits will be assessed on a case-by-case basis according to the criteria stated below.
5. Zayed University will establish a committee that includes staff from the Admissions and Registration Department and subject-matter specialists to evaluate transfer requests and transfer credits.
 - a. The committee will make its recommendations to the Dean of the concerned college.
 - b. The records of all committee recommendations and the related documents will be maintained by the Admissions and Registration Department.
6. Zayed University will provide timely written notification to the student, prior to admission, of the transferability of credit, how much credit is granted, and how the accepted credit will be applied to the degree program the student

wishes to transfer to.

Transfer Admissions

1. Only students transferring from UAE institutions recorded in the National Register of Licensed Higher Education Institutions, or other organizations in the UAE approved by the Commission for Academic Accreditation, or recognized institutions of higher learning located outside the UAE, are eligible for transfer admission.
2. Students must meet all the transfer admission requirements of the ZU academic program they wish to transfer to (see [Transfer Admission Requirements](#)).
3. All entering transfer students must present valid certification demonstrating the required language competency in line with the admission criteria for the ZU academic program they wish to transfer to (see [Transfer Admission Requirements](#)).
4. Students transferring from other institutions must demonstrate with valid documentation that they are in good academic standing at the institution they are currently attending by meeting the minimum CGPA requirement for the ZU academic program they wish to transfer to (see [Transfer Admission Requirements](#)).
5. Students must submit official transcripts showing all post-secondary work attempted at all institutions they have attended to the Admissions and Registration Department. The final decision on transfer admission rests with the ZU college concerned.

Change of Program

Undergraduate Transfer Admissions, Change of Program, and Transfer Credits policy ensure that the processes governing undergraduate transfer admissions to Zayed University, changing academic programs within Zayed University, and transfer credits are in line with government regulations and are conducted with integrity and

fairness in a manner that upholds the standards and expectations of the University. [Click here](#) to read about this policy that applies to all

undergraduate students who wish to transfer to or change programs within Zayed University.

Transfer Admission Requirements

College	CGPA (4.0 scale)	UAE High School or Equivalent		English Language			EmSAT		American System	British System	IB
		Gen	Adv	Em-SAT	IELTS Academic	TOEFL iBT	Arabic	Math	<i>Arabic and Islamic Studies not included</i>		
COB*	2.25	75%	70%	1250	5.5	71	600	600	Pass 5 subjects with total average 75%	5 GCSE/IGCSE/O-levels and 4 AS-Levels with grade B or 2 A-Levels with grade C	Complete the IB Diploma with at least 24 points
CACE	2.25	75%	70%	1250	5.5	71	900	500			
CCMS	2.25	75%	70%	1250	5.5	71	900	500			
CHSS	2.25	75%	70%	1250	5.5	71	900	500			
CNHS	2.25	75%	70%	1250	5.5	71	900	500			
CTI	2.50	80%	75%	1250	5.5	71	900	700	Pass 5 subjects with total average 80%	5 GCSE/IGCSE/O-levels and 2 A-Levels with grade B	
CIS**	3.0	80%	75%	1250	5.5	71	N/A	750			

* Interview is required

** English essay and interview required

Transfer Credits

1. Zayed University accepts transfer credits in line with the criteria listed below. All transfer credits count towards the completion of degree requirements but are not calculated as part of the Cumulative Grade Point Average.
2. Credits completed more than five (5) years before the intended enrollment date at ZU are not transferable.
3. ZU transfers undergraduate program credits only for courses relevant to the receiving degree that provide equivalent learning outcomes and in which the student earned a grade of C (GPA of 2.0 on a 4.0 scale) or better.
4. The number of transfer credits which may be applied to a specific undergraduate degree program may not exceed 50% of the total number of credits which are required to complete the degree.
5. ZU does not grant credit twice for substantially the same course taken at two (2) different institutions.

Transfer Credits for Summer Study

1. A student who has been granted permission by their college for summer study at another institution may apply for credit transfer in

accordance with university policy.

2. Only courses endorsed by the student's college and approved by the Admissions and Registration Department may be transferred for degree credit.
3. Only those courses taken at another institution during the summer semester in which a final grade of C or higher will be accepted for transfer.

ZU graduates Seeking a Second Degree

Zayed University graduates may apply to take a second degree but not a minor. Students seeking a second degree shall pay AED 2,500 per credit hour.

Transfer to Another Institution

Students seeking to transfer must apply directly to the institution they wish to enter. Transfer must occur within three years of the date of the student's last registration at Zayed University. Upon acceptance at another institution, the student must formally withdraw from Zayed University. Transfer is only permitted at the end of each semester.

Readmission

Former Zayed University students may apply for readmission under specified conditions:

1. A student who was previously enrolled in

- the Academic Bridge Program may apply for readmission to a baccalaureate program at Zayed University if:
- a. the student obtains a valid IELTS overall band score of 5.5, TOEFL iBT total score of 71 or EmSAT English score of 1250; and
 - b. the relevant college dean approves the readmission application.
2. A student who was previously enrolled in credit-bearing baccalaureate level courses may apply for readmission if:
 - c. the student left the university in good academic standing (CGPA of 2.0 or higher);
 - d. the student has a valid IELTS score of 5.5 or TOEFL iBT total score of 71, or EmSAT English score of 1250; and
 - e. the relevant college dean approves the readmission application.
 3. Zayed University does not automatically readmit students.
 - a. An application for readmission must be filed within one (1) year of the last enrollment at the university.
 - b. Applicants who exceed the one-year limit will pay a tuition fee of AED 2500 per credit hour. Readmitted students under this category may receive a 50% discount on tuition fees if they obtain a GPA of 3.0 or higher.
 4. A readmission application should be submitted within the admission timeline for Fall and Spring semesters. Readmissions will not be considered for the summer terms.
- b. Laboratory sections will not normally exceed an enrollment of 18;
 - c. Studio sections will not normally exceed an enrollment of 12.
4. Sections Below the Minimum or Above the Maximum Enrollment Sections with enrollments below the minimum or above the maximum standard require approval from the Provost or designee within the first (2) weeks of the semester. They will typically be offered only if students require them to progress toward their degree.
 5. Independent study courses, internships, and senior projects are exempt from this enrollment policy.
 6. ZU students have the responsibility to manage their academic relationship with the university by:
 - a. Following the mandated enrollment and registration procedures; [ACA-REG-101 Policy](#)
 - b. Obtaining the relevant information and academic advice regarding enrollment and registration;
 - c. Following their own class and final exam schedules;
 - d. Attending their classes as per the attendance policy.
 7. Students are expected to register in each regular academic semester (not including the summer sessions), and to continue in active registration, from the time they first enroll at the university.
 8. Students are expected to meet with their designated advisors during the announced registration period in order to register for the following semester's courses.
 9. Students are responsible for being aware of any changes to university policies, academic requirements, programs, calendar events, and/or changes in academic status. Notifications sent to a student's university email account are considered official notifications.
 10. Conditions for course load, schedule change, auditing a course, withdrawal from a course, suspension from the university, and withdrawal from the university are contained in the accompanying procedures.

Undergraduate Enrollment and Registration

1. The university will use the credit hour as the basis for its educational system and will organize its educational process on a semester basis.
2. Minimum Enrollment
The minimum number of registered students in an undergraduate course may vary depending on the type of the course as follows:
 - a. Lecture sections will normally have a minimum enrollment of 12;
 - b. Laboratory and Studio sections will normally have a minimum enrollment of 9.
3. Maximum Enrollment
Undergraduate courses shall not normally exceed an enrollment of fifty (50) students per section. However, the maximum number of registered students in an undergraduate course may vary depending on the type of the course as follows:
 - a. Lecture course sections will not normally exceed an enrollment of 30;

Academic Advising

Each student shall be assigned a faculty advisor during her/his study at the university.

Registration

Each student must meet with her/his advisor prior to the announced registration period to advise on the courses needed in the following semester. Registration is not official until the student

completes the online registration and enters the official class roster. Only a student who is officially registered for a course may attend a course.

Course Load

1. A student in good academic standing in the baccalaureate program is required to maintain full-time student status by always registering for a minimum of 14 and a maximum of 18 credit hours per semester.
2. A student may not make a change to her/his schedule that reduces the course load to be below 14 credit hours, except for compelling reasons. Prior e-form approval from the College Assistant Dean for Student Affairs is required. There is no part-time student status at Zayed University.
3. Based on college admission requirements, conditionally admitted students can only register for General Education and developmental courses up to a maximum of 12 credit hours. In addition, these students can only take General Education credit-bearing courses for which they have relevant preparation, knowledge and skills that will allow them to achieve the course learning outcomes. The total number of credits is dependent on the number of developmental courses being taken in a given semester.

Course Overload in the Final Graduation Semester

A student with a CGPA of 3.0 or higher may petition the College Assistant Dean for Student Affairs to take up to 21 credit hours of required coursework in his/her final graduation semester or term.

Reduced Course Load in the Final Graduation Semester

1. A student who will complete all degree requirements in the first term of a semester may elect to enroll for only that term.
2. A student may be allowed to register for fewer than 14 credit hours in his/her final graduation semester if they have completed all the requirements for their degree.

Course Registration and Schedule Changes

Two (2) registration periods will be conducted for each academic semester.

1. Pre-Registration Week
Students are expected to register in their following semester classes as per their projections and in the timeframe given to them by the Admissions and Registration Department.
 - a. During the pre-registration week, a student may register for a course for which he/she has not yet completed its prerequisite. If

the student fails to successfully complete the prerequisite(s), the corresponding registration will be cancelled.

- b. Registration in this period is not final and is subject to change depending on the students' final course grades.
2. Add/Drop Week
A student may submit a request to his/her faculty advisor to change her/his schedule only during the Add/Drop Week as designated in the University Academic Calendar.
3. Faculty Advisor's Role in Student Class Schedules
An advisor has the right to add/drop a student to/from a class missing from the student's schedule under the following circumstances:
 - a. when the student did not follow the projections;
 - b. when the student is underloaded;
 - c. when there is a need for section balancing;
 - d. when a section is cancelled.
4. Notification of Schedule Changes
Students will receive notifications of schedule changes via their university email, and they will be able to see the schedule update directly through the Student Access Program (SAP).
5. Students Under Financial Hold
A student who is under financial hold is not eligible to register for classes until the hold has been released.
6. No Registration
Students who do not register for any classes by the end of the registration period will be considered on Suspension for that academic semester.
7. Auditing a Course
Zayed University allows its alumni to audit courses provided that:
 - a. There is space available in the course (no permission to audit will be given until current students have registered for courses); and
 - b. The instructor approves the student enrollment.
8. Withdrawal from a Course
 - a. Students who encounter unanticipated difficulty in a course despite their best effort may petition to withdraw from the course within the given timeframe as per the ZU Academic Calendar.
 - Withdrawal before the deadline results in a grade of W (Withdrawal without penalty) being assigned to the student.
 - Withdrawal after the deadline results in a grade of WF (Withdrawal/ Failing), which is calculated in the grade point average as F (Failing grade).

- b. Withdrawal from a course is only approved if the student maintains full-time status after the withdrawal unless granted special approval from the College Assistant Dean for Student Affairs.

Suspension from the University

1. Suspension of Registration
 - a. A student may suspend registration twice for a maximum of two (consecutive or non-consecutive) semesters during her/his period of study at Zayed University.
 - b. A student may suspend registration only during the first two (2) weeks of the semester.
 - c. A student on Special Probation is not allowed to suspend registration without prior approval from the College Dean.
 - d. Readmitted/reinstated students are not allowed to suspend registration in the same semester that they were readmitted/reinstated.
 - e. A student who suspends registration, or who is suspended, is considered inactive and cannot enjoy university privileges, such as access to campus or use of the library, unless granted an exception by the university.
2. Attendance Suspension
 - a. The university may put a student on Attendance Suspension when she/he exceeds the limit of 15% absences in all courses in a given semester.
 - b. A student on Attendance Suspension is considered inactive and cannot enjoy university privileges.
 - c. A student may be requested to repeat some or all the courses in which he/she received W or WF in a previous semester.
 - d. Attendance Suspension counts toward the maximum allowable number of times that a student may suspend registration without dismissal from the university.
3. Disciplinary Suspension
 - a. The university has the right to suspend a student as a disciplinary measure for violating the Code of Student Conduct.
 - b. The Disciplinary Suspension decision is made by the Provost upon the recommendation of the Student Misconduct Investigation Committee.
 - c. Disciplinary Suspension counts toward the maximum allowable number of times that a student may suspend registration without dismissal from the university.
4. Special Suspension
 - a. Special Suspensions for maternity reasons do not count toward the maximum allowable number of times that a student may suspend registration without dismissal from the

university.

- b. Students need to submit all appropriate documentation at the time of applying for such suspensions.
- c. The university may grant an additional suspension to a student for extraordinary medical or family reasons if they don't exceed six (6) years to graduate from their program of study.
 - i. In order to be granted an additional suspension, a student must submit an official appeal with all the necessary supporting documents to the College Assistant Dean for Student Affairs.
 - ii. All endorsed appeals will be forwarded to the Student Case Committee.
 - iii. The Provost will make the final decision based on the recommendation of the Student Case Committee.
 - iv. Students may not appeal more than once to the Student Case Committee.
5. Military Suspension
 - a. Students are required to present their official status letter regarding their National Military Service obligations to the Admissions and Registration Department.
 - b. Students in the military service will be placed on Military Suspension until they complete their military duties and resume their studies. Military Suspension is not counted towards the maximum allowable number of times a student may suspend registration.
 - c. Students who complete their military service must provide official documentation to that effect in order to continue their studies at ZU.
6. Administrative Suspension

In an exceptional circumstance the university may place a student in administrative suspension after obtaining approval from Director of the Admissions and Registration Department.

Withdrawal from the University

1. Student-Initiated Withdrawal
 - a. The university establishes a date in each semester by which a student may withdraw from the university without academic penalty. Withdrawal after the deadline will result in the student receiving a grade of Withdrawal with Failure (W/F) and will affect their CGPA.
 - b. A student on Academic Probation 2 or Special Probation who withdraws after the deadline will be given an Academic Dismissal.
 - c. If a readmitted/reinstated student wishes to withdraw, their academic record will show their last academic standing prior to their readmission/reinstatement.

- d. A student who transfers to another university must formally withdraw from Zayed University.
 - e. A student who requests to withdraw from ZU is still considered active and will be held responsible for any classes missed until the request has been completed and approved.
 - f. A student who has withdrawn from ZU is considered inactive and is not permitted to enjoy university privileges (such as accessing campus, attending classes or using the library) unless granted an exception by the university.
2. University-Initiated Withdrawal
- a. The university may withdraw a student who does not resume his/her studies after being suspended from the university for more than two consecutive semesters.
 - b. The university may withdraw a student whose English language proficiency does not meet the standards of the university.

meetings allotted for a course will receive a second warning from the Registrar's Office.

- d. A student who misses more than 15% of the class meetings allotted for a course will receive a Withdrawal with Failure (WF) grade for the course.
3. Student Appeals
- a. Students have the right to appeal recorded absences at any time. They may request to withdraw from a course without penalty or appeal to have absences removed from their record. Requests to withdraw from a course without penalty must be submitted within the given timeframe as stated in the ZU Academic Calendar.
 - b. All appeals are to be submitted online in the semester in which the absence(s) occurred by following the process described in the accompanying Procedures.
 - c. Successful appeals require the approval of the College Assistant Dean for Student Affairs.
 - d. Students who successfully appeal against exceeding the 15% absence limit once in a course are not permitted to appeal against exceeding the 15% limit again for that same course.
4. Extenuating Circumstances
- a. Students may appeal to have their absences excused for extenuating circumstances such as for attending college- or university-approved events or for mourning. Successful appeals require the approval of the College Assistant Dean for Student Affairs.
 - b. Successful appeals based on other extenuating circumstances require the approval of the College Dean.

Student Maternity Leave

Maternity Attendance Suspension

The student is allowed to suspend her registration for the semester in which the baby is expected to be born. A maternity suspension for a semester to deliver a baby will not count as one of the two attendance suspensions allowed for each student during their time at Zayed University.

Student Chooses Not to Utilize Maternity Attendance Suspension

If a student chooses not to utilize a semester maternity attendance suspension but chooses to deliver her baby and return to complete the semester, she must stay within the 15% total semester absence requirement to receive credit for the class.

Attendance

1. Attendance
- a. Students are required to attend all classes, practical sessions, seminars and examinations related to the courses in which they are registered.
 - b. Instructors are responsible for recording class attendance accurately on the official online register.
 - c. Students are responsible for checking and tracking attendance records for each course through the Student Access Program.
2. Absence from Class
- a. It is the student's responsibility to catch up on work missed through class absence.
 - b. A student who misses 5% of the class meetings allotted for a course will receive a warning from the Registrar's Office.
 - c. A student who misses 10% of the class

Grading in the Baccalaureate Program

1. Letter Grades and Quality Points

- a. At the end of the term or semester in which a course is offered, the instructor shall award students letter grades, each bearing quality points. The quality points earned in each course produce a grade point average (GPA).
- b. Final course grades are awarded to students individually and are based on the instructor's fair assessment of the student's academic performance in the course.
- c. Final grades may be assigned and recorded only for students who are officially registered for the specific course.
- d. All grades earned by a student in his/her undergraduate career in all degree credit courses will be recorded. If a student changes his/her academic program/concentration, grades earned in courses that do not count in the new academic program/concentration

will be included in the student’s Cumulative GPA.

- e. Grades and credit hours earned in courses taken at other institutions and transferred to the university are not included in any GPA calculations.

2. Definition of Letter Grades

“A” is the highest academic grade possible. This grade is not automatically given to a student who ranks highest in the course but is reserved for accomplishment that is truly distinctive and demonstrably outstanding. It represents a superior mastery of course material and is a grade that demands a very high degree of understanding as well as originality or creativity appropriate to the nature of the course. The grade usually indicates that the student works independently with unusual effectiveness and often takes the initiative in seeking new knowledge outside the requirements of the course.

“B” is a grade that denotes achievement considerably above acceptable standards. Good mastery of course materials is evident, and student performance demonstrates a degree of originality, creativity, or both. The grade usually indicates that the student works fairly well independently and often demonstrates initiative.

“C” indicates an appropriate level of competency in the course’s basic learning outcomes. It is the grade that may be expected of a student with an average level of performance who gives to the work a reasonable amount of time and effort. This grade implies understanding of the content of the course, acceptable mastery of course material and learning outcomes, and completion of all requirements. The student must have a minimum cumulative GPA of 2.0 (C) to earn a baccalaureate degree from Zayed University.

“D” denotes a limited understanding of the subject matter, meeting only the minimum requirement for passing the course. It signifies work that in quality or quantity falls below the average acceptable standard for passing the course. Performance is deficient in analysis, synthesis, and critical expression. There is little evidence of originality or creativity.

“F” indicates inadequate or unsatisfactory attainment, serious deficiency in understanding of course material, or failure to complete the requirements of the course.

There are no grades of A+, D-, F+, or F-.

3. Quality Points per Credit Hour

Each letter grade has corresponding numerical quality points assigned to calculate the overall grade-point average (GPA) of the student:

Grade	Score	Quality Points per Credit Hour	GPA	Explanation
A	90-100	4.00	4.0	Excellent
A-	87-89	3.70	3.7	Excellent -
B+	84-86	3.30	3.3	Very Good +
B	80-83	3.00	3.0	Very Good
B-	77-79	2.70	2.7	Very Good -
C+	74-76	2.30	2.3	Good +
C	70-73	2.00	2.0	Good
C-	67-69	1.70	1.7	Good -
D+	64-66	1.30	1.3	Pass +
D	60-63	1.00	1.0	Pass
F	0-59	0.00	0.0	Fail

4. Special Grades

The following grades have “0” quality points:

4.1 Computed in the Grade Point Average

Grade	Meaning	Explanation
WF	Withdrawal/ Failing	Administrative withdrawal / Failure in course

4.2 Not Computed in the Grade Point Average

Grade	Meaning	Explanation
I	Incomplete	Temporary grade / Course requirements not completed
P	Pass	Satisfactory achievement
FL	Fail	Unsatisfactory achievement
W	Withdrawal	Student withdrawal
TC	Transfer Credit	Credit granted for course taken at another institution
AU	Audit	Course taken without credit
S	Satisfactory	Satisfactory achievement
U	Unsatisfactory	Unsatisfactory achievement
W/U	Withdrawal/ Unsatisfactory	Administrative withdrawal / Unsatisfactory achievement
NG	No Grade	No grade given
PP	Pass	Satisfactory achievement (60% and above) for Pass/ No Pass courses only
NP	No Pass	Unsatisfactory achievement (no credit awarded) for Pass/No Pass courses only

5. Incomplete Standing

- a. Students may submit a request to be assigned a grade of Incomplete if, for reasons beyond their control, they are unable to complete

coursework or sit the final examination. The course instructor, Department Chair, and Assistant Dean for Student Affairs will review and process the request accordingly.

- b. Students with an Incomplete grade in a course that is the prerequisite for a subsequent course may not enroll in the subsequent course until they replace the Incomplete grade with a passing grade.
- c. If an Incomplete grade is not replaced with a passing grade by the deadline stated in the ZU Academic Calendar, it will automatically become a grade of "F."

6. Pass Grade

The minimum passing grade at Zayed University is a grade of D. No student is allowed to repeat a course in which they received a grade of D or above.

7. Failing a Course

Students who receive a grade of "F" in a course fail the course. Students must repeat courses that they fail if the courses are required for their degree program. Students may not enroll in any course for which the failed course is a prerequisite before they pass the prerequisite course. Although they must repeat required but failed courses, students may or may not elect to repeat a failed course that is not required for their degree program. When a student passes any course once failed, the passing grade replaces the "F" grade in the grade point average although the academic transcript continues to display the prior failure. Students who fail a required course twice are subject to review and possible dismissal from the university.

Academic Progress in Baccalaureate Programs

1. In support of its mission and vision, the university shall establish and enforce standards of student academic performance to govern satisfactory progress toward degree completion.
2. At the end of each semester, a student's academic standing will be determined by the student's Cumulative Grade Point Average (CGPA). A student in the baccalaureate program is expected to maintain a good academic standing of a CGPA of 2.0.
3. A student's academic standing at the end of a semester will determine the student's eligibility to continue her/his progress towards earning a baccalaureate degree at Zayed University.
4. Students who have been conditionally admitted will be held to the same academic standards as all other students as well as having the responsibility to achieve the minimum English language proficiency requirement by the end of one academic year.
5. Any student who is not able to maintain a

good academic standing at the end of a given semester will be given a warning and/or placed on probation to give him/her the opportunity to attain a CGPA of 2.0. If a student on probation is still unable to attain a CGPA of 2.0 within the stipulated time, the student will be dismissed from the university.

Satisfactory Academic Standing

Students shall be considered in Satisfactory Academic Standing if they maintain a minimum Cumulative Grade Point Average (CGPA) of 2.00. This minimum average is required for graduation.

Unsatisfactory Academic Standing

Academic Warning: A student will be given an Academic Warning if:

- a. she/he gets a Grade Point Average (GPA) lower than 2.0 with fewer than 21 credit hours in her/his first semester;
- b. she/he has a CGPA higher than 2.0, but a semester GPA lower than 2.0.

Academic Probation 1: A student will be placed on Academic Probation 1 for a semester if her/his CGPA remains lower than 2.0 for the semester after receiving an Academic Warning.

- a. at the end of the student's first (Freshman) year at university;
- b. at the end of any semester after the student's first (Freshman) year.

Academic Probation 2: A student who was placed on Academic Probation 1 but was unable to attain a CGPA of 2.0 by the end of that semester will be given a final chance by being placed on Academic Probation 2 if her/his CGPA remains lower than 2.0 for the semester that she/he is on Academic Probation 1 for one semester.

Academic Dismissal: A student will be given an Academic Dismissal from ZU if her/his CGPA remains lower than 2.0 at the end of the semester that she/he is on Academic Probation 2. The decision to dismiss the student on academic grounds will be final and not subject to appeal.

Academic Appeal: A student who has been given an Academic Dismissal from ZU is eligible to submit an Academic Appeal to the corresponding college or department in which she/he was enrolled.

Special Probation: A student who has been granted an Academic Appeal by the corresponding college/department will be placed on Special Probation for one semester. Each student is eligible for only one Special Probation during her/his Baccalaureate program at ZU.

Undergraduate Academic Appeals

In order to ensure that students are treated equitably and grades assigned without error, the University shall establish processes to provide for

the review of grades and decisions to dismiss for unsatisfactory academic progress.

A. Appeal of a Course Grade

1. A student can request a review of their final course grade by submitting a written appeal to the course instructor in line with the steps outlined in the accompanying Procedures within three (3) working days from the date of publication of the final grades by the Registrar's Office.
2. An appeal will be considered only in cases where there is clear evidence of:
 - a. substantial error of fact;
 - b. error of grade calculation;
 - c. a failure to adhere to the stated requirements of the student's curriculum as printed in the relevant Zayed University Catalog;
 - d. substantial and demonstrable irregularity in the assessment of examination process.
3. No changes to course grades will be considered after the deadline of the appeal period.

B. Appeal of Dismissal for Unsatisfactory Academic Progress

A student may request a review of the decision to dismiss them for unsatisfactory academic progress by submitting a written appeal to the college Assistant Dean for Student Affairs within three (3) working days from the date of receiving the dismissal notice from the Registrar's Office.

C. Admissions & Registration Department

If an appeal is successful, the Admissions and Registration Department will:

1. alter the student's grade or academic standing in Banner as necessary.
2. communicate the new grade or academic standing to the student via email.

Academic Honors and Excellence for Undergraduate Students

To encourage students to pursue academic excellence and in support of its mission, the university shall establish awards that recognize outstanding academic performance. Students who achieve academic excellence as demonstrated by their Term Grade Point Average (TGPA) in a given semester will be added to the Dean's List, and those who achieve academic excellence throughout all their undergraduate studies as demonstrated by their Cumulative Grade Point Average (CGPA) will be honored by graduating with distinction.

A. Dean's List

1. Any enrolled student who completes a minimum of 15 gradable credit hours in a semester with a TGPA of 3.60 or above, with Normal Grade Modes, will be added to the Dean's List.
2. The Dean's List students are awarded a Dean's List Certificate in recognition of their

achievement.

B. Graduation Honors

1. Any graduating student with a CGPA of 3.60 or above will be awarded graduation honors as follows:
 - a. Graduating CGPA of 3.90 to 4.00 Highest Distinction
 - b. Graduating CGPA of 3.70 to 3.89 High Distinction
 - c. Graduating CGPA of 3.60 to 3.69 Distinction
2. Graduation honors are announced at the graduation ceremony and are recorded on the students' academic transcripts and diplomas.

Roles and Responsibilities

A. Dean's List

1. Each semester, at the end of the Add/Drop period, the Admissions and Registration Department reviews the students' transcripts and updates them as necessary.
2. The Admissions and Registration Department prepares the official lists of Dean's List students according to their college and sends the appropriate list to each college.

B. Graduation Honors

When final grades have been recorded for the students' final semester, the Admissions and Registration Department prepares a list of students who are eligible to be awarded Graduation Honors. The list is forwarded to the Vice-President for endorsement.

Advanced Placement and Challenge Examinations

A. Review of Requirements

The Provost designates a University officer to conduct an annual review of requirements and procedures governing advanced placement in Zayed University. This officer recommends changes to the Provost for approval. Changes in procedures normally require the approval of the Provost, or the Provost's designee.

B. Publication of Requirements

Regulations and procedures are published annually in the University Catalog, the Student Handbook, student recruitment literature and on the University website.

C. Awarding of Credit

The Registrar in consultation with the appropriate academic dean reviews the applicant's academic record to determine whether credit shall be awarded for courses taken in internationally recognized programs, such as the International Baccalaureate, Advanced Placement and passes in relevant A level subjects, administered by an Examinations Board recognized by Zayed University. The college determines if those credits

are equivalent to existing courses in the University Catalog or should be counted as electives.

D. Challenge Examination

The dean of the college (or his/her designee) in which the course is offered approves the request for a challenge examination in writing. With the college's written permission, a student may challenge placement in a course by taking a written examination covering the course's content. If the student is judged competent in the subject, the student will not receive credit in the course but may be placed in a higher level section or course.

Recognition of Prior Learning

A. Definition

"The assessment of previously unrecognized skills and knowledge achieved outside the formal education and training system". This is assessed against the requirements of a recognized qualification in terms of outcomes to be achieved. Learners will be awarded credit when they have demonstrated that they have successfully met the learning outcomes and assessment criteria of a unit.

B. Policy

1. Zayed University supports the principles embodied in the Recognition of Prior Learning (RPL) as enabled by the UAE National Qualifications Authority (NQA).
2. Candidates for entry to a program leading to a qualification or students seeking credit on the basis of formal and/or non-formal prior learning are entitled to fair consideration and assessment of their life-long learning achievements against the relevant competencies.
3. RPL applicants access the process by submitting an evidence-based portfolio of the prior learning to be assessed, consistent with NQA operational principles, to the Zayed University RPL Assessment Committee. The Committee, which is composed of qualified assessors and is appointed by the Provost, is responsible for equitable and transparent assessment and validation of the applicants' portfolio. A positive outcome shall depend on the extent to which an RPL applicant has achieved the required competencies or standards for entry to, and/or partial completion of a Zayed University qualification or award.
4. No more than 25% of the total program credits will be awarded for any RPL application.
5. Fees will be assessed for RPL assessment.

Final Examination and Assessments

All Zayed University undergraduate credit courses are expected to have a final examination or summative assessment during the Final Exam Period except for labs, internships, practica, advising, studios, and independent studies and

senior projects.

1. Exams with fewer than five (5) enrolled students will be conducted internally.
2. Final exams for semester classes and for B-term baccalaureate classes are to be scheduled over a 7-day period excluding Fridays at the end of the semester, or a 9-day period excluding Fridays if it falls during Ramadan.
3. The final exams/assessments for A-term classes are scheduled for a regular class period during the last week of term A.

Examination Schedules

1. Exam schedules will be published by the Registrar's Office no later than one (1) month prior to the end of classes each semester.
2. Exams or final assessments must be held at the time listed for each course in the Final Exam Schedule. They may not be rescheduled by the instructor/students unless there are extraordinary pedagogical reasons to do so. Such requests must be approved by the Dean of the College in which the course is offered.
3. Common final examinations may be scheduled as exceptions to the standard schedule if approved by the College Dean and the Registrar's Office.

Examination Overloads

Students will be required to take no more than two (2) exams in one (1) day or three (3) exams in a 24-hour period. If the published exam schedule creates an overload, the student may petition to have one (1) of the exams moved to a time mutually agreed upon between the student and the instructor.

Submission of Grades

1. All teaching faculty are accountable to the university throughout the exam period and until final grades are submitted for each course on Blackboard and Banner.
2. Final course grades are to be submitted on Blackboard and Banner within 48 hours of the last day of the final examination period.

Summer School

A. Students

1. All undergraduate and graduate students may register for courses during Summer School.
2. A student in Good Academic Standing may register for a maximum of seven (7) Credit Hours (CHs) during Summer School. Note: Good Academic Standing requires a Cumulative GPA (CGPA) of 2.0 or higher for undergraduate students and 3.0 or higher for graduate students.
3. A student on Academic Probation is allowed to register for a maximum of three (3) CHs, or four (4) CHs if they include credits for a lab.
4. If a student, who is in Good Academic Standing, pre-registers in Summer courses and then goes

under probation before Summer School starts, then the registered CHs must be adjusted to meet the 3 or 4 CHs limit as indicated above.

5. Academic standing in Summer School does not penalize students.
 - a. If a student's CGPA is below 2.0 at the end of Summer School, the student will carry the last academic standing in their student record.
 - b. If the student was on probation before Summer School started and raised his/her TGPA and CGPA at the end of Summer School, the student will be placed on either Academic Warning or Good Academic Standing as appropriate.
6. A student registering for an internship course cannot register for any additional Summer courses.
7. Students are obliged to uphold all ZU policies and rules of conduct.
8. Student attendance will be recorded, and any student not attending class will be subject to regular ZU Attendance Policy.

B. Transferring Credit from Summer Study at Another Institution

1. A student in good academic standing with a cumulative GPA of 2.25 or better may request permission from the student's college for summer study at another institution.
 - a. Students are permitted to take up to two (2) courses at ZU and one (1) course at another institution consecutively subject to prior approval from the student's college and the Registrar's Office.
 - b. Students are not allowed to take courses outside ZU if the same courses are being offered at ZU unless the ZU section is closed or if the offering is at a university outside the UAE.
 - c. Students cannot retake a course at another institution after they failed it at ZU.
 - d. A student on academic probation is not eligible for study at another institution.
 - e. The university is under no obligation to accept courses taken without prior authorization.
2. To apply to transfer credit from another institution, the student must complete a letter of permission available from the student's college, attach detailed course outlines in English of all courses to be taken, and submit the e-form and course outlines to the College Assistant Dean for Student Affairs. For credit to be accepted from another institution, prior endorsement must be secured from the student's college and final approval from the Registrar's Office.
3. Only courses from institutions approved by the

student's college may be transferred for degree credit.

4. For degree programs or colleges with international accreditation, certain restrictions may apply on transferring core courses (i.e. courses required in the major or concentration) from institutions holding the same international accreditation as the corresponding program or college at ZU. Students are advised to consult with their advisors for more details.
5. Only those courses taken at another institution during the summer semester in which a final grade of C or higher will be accepted for transfer.
6. Transfer credit is designated on the academic transcript with the grade of TC. Those credits count toward completion of degree requirements but are not used to calculate cumulative grade point average at Zayed University.

Undergraduate Student Academic Records

The maintenance of undergraduate student academic records shall be governed by administrative standards which respect confidentiality and ensure consistency, integrity and fairness.

1. Zayed University shall maintain a student's electronic academic record indefinitely. Students' physical files will be archived or destroyed seven (7) years after their graduation.
2. Each admitted undergraduate student has a unique student number which identifies all associated undergraduate academic records. The numbers are assigned by NAPO for U.A.E. citizens and by the Registrar's Office for international students.
3. Only authorized Zayed University personnel may alter an official undergraduate student academic record based on having the required supporting documents and approvals.
4. A copy of the academic transcript will be issued only at the student's request. Issue of the official academic transcript is the sole responsibility of the Undergraduate Registrar Office.
5. The university shall endeavor to ensure that each student receives accurate information regarding their academic status. Students are required to read these documents and respond as specified in the notification. Parents are notified by letter and/or telephone in case of emergency.

Confidentiality of Student Academic Records

1. The student's academic record is considered confidential. Only the student, and authorized Zayed University personnel may review this record. Academic records of students may be shared or discussed with the students' parents or guardians only after the written consent of

the student.

2. Zayed University is obligated to protect the privacy and security of its students and follows strict guidelines for maintaining the confidentiality of education records and monitoring the release of information from those records to third parties.

Access to Information

1. A university employee may be permitted access to information in student records if the employee needs the information to perform required university duties. Generally, employees involved in academic administration are given access to the contents of student records.
2. By applying for admission and enrolling at the university, the student accepts the Registrar's right to collect pertinent personal information for institutional purposes. Documentation submitted in support of the student's application for admission is the property of the university and may be used to assess performance in programs and courses, provide the basis for awards and assist in the administration of the university.
3. The academic information of sponsored students can be shared with their sponsor without requiring the prior written consent of the student.
4. Specified records or portions thereof may be provided to persons or agencies pursuant to a court order, summons or subpoena directing the university to release information.

Student Access Program (SAP)

1. The Student Access Program (SAP) is the official electronic student academic record system of the University and for purposes of this Policy, information contained in the Student Access Program constitutes a student academic record.
2. The student may inspect all information contained in their academic record. They may request that erroneous information contained in the record be corrected and that any recipients of erroneous information be advised of the correction.
3. Documents pertaining to the student's achievement at other institutions that have been received by the university will not be released or redirected.

Student Photograph

1. The student photograph is an official electronic facial verification record to be used by authorized University personnel only. The photograph must not be copied, shared or used for any purpose other than for the verification of student identity.
2. Students must comply with requests from authorized University personnel to show their faces for identity verification purposes whether in person or online.

Undergraduate Course Schedule

1. A detailed schedule of classes will be prepared and published by the Admission and Registration Department for each academic semester one week prior to the online registration period for that semester.
2. The schedule of classes will include detailed, section-specific information on all courses offered for enrollment in the academic semester, including the following:
 - a. Course prefix, number, and section with Course Reference Number (CRN) specific to the academic semester;
 - b. Semester credit hours allocated to the course;
 - c. Weekly course meeting pattern including specific days and times;
 - d. Building and room locations for each section that is in face-to-face delivery mode;
 - e. Names of the instructors assigned to the sections;
 - f. Course delivery mode; and
 - g. Other relevant information necessary for students to successfully register and participate in the course.
3. The management and development of the schedule is a shared responsibility among College Assistant Deans and department chairs under the overall direction of the Admissions and Registration Department.
 - a. The Admissions and Registration Department is responsible for the overall management of scheduling including the development of scheduling guidelines and processes, determination of the production time and related deadlines, communication with the colleges and the Timetabling Office, review of limitations on instructor availability for scheduling, and approval of changes in course schedules and room assignments after the schedule of classes has been published.
 - b. The defining of the specific courses/sections to be scheduled including general course meeting patterns, enrollment ceilings, assignment of specific instructors, approval of necessary limitations on instructor availability, and any specific requirements for type of class meeting rooms are based on the student projections with cooperation from college administrators.
 - c. Under guidelines approved by the Admissions and Registration Department, the Timetabling Office determines and assigns specific days and times, and specific buildings and rooms for each meeting of each course/section.

Course Substitution

1. It is expected that undergraduate students will complete their graduation requirements by following the course sequence in their 8-semester study plan.
2. All course substitution requests must be submitted, using the appropriate academic e-form, to the Degree Program Director for endorsement before being forwarded to the Assistant Dean for Student Affairs for approval.
 - a. The substitution of a course is not confirmed until the request is approved and verified.
3. The Admissions and Registration Department is responsible for verifying the details of all course substitutions in accordance with the official requirements.
 - a. Approved course substitutions that meet all the official requirements will be implemented. Any that do not meet the requirements will not be implemented and the Assistant Dean will be notified accordingly.

4. Requirements

It is mandatory for all degree programs to follow these rules when considering course substitutions.

- a. All substituted courses must be at the same level or higher than the original course.
- b. Only Heritage (HT) and Non-native Speaker (NL) stream students can substitute Arabic Language (ARA) courses with 300 or 400 level courses.
- c. A discontinued course can be substituted with an appropriate course of the same level or higher, or a course otherwise marked as equivalent to the discontinued course in the Curriculum Management System.
- d. Program elective substitution must be from the same college (300 or 400 level).
- e. ZU electives may be substituted with any

credit-bearing undergraduate course from the ZU Catalog that does not otherwise satisfy a degree requirement for the student's academic program.

- f. Students with minors are not permitted to substitute the minor courses with a program elective, but minor courses can be substituted with a ZU elective and vice versa.
- g. Any student who drops their minor is permitted to substitute the minor courses with ZU electives.
- h. If a student changes his/her major, some of the courses already completed might not count towards the new major.
- i. The number of course credits for a substitute course must be equal to or more than the number of credits for the original course.

Degree Completion and Graduation

A bachelor's degree may be awarded only to students who have satisfied the credit-hour requirements for a specific degree, the Grade Point Average requirements, and other established degree-specific requirements based on all applicable university policies and procedures.

1. The minimum Cumulative Grade Point Average (CGPA) required for a bachelor's degree is 2.00.
2. Students have to satisfy the degree requirements for their specific program as specified in the Zayed University Catalog.
3. Degrees are awarded at the end of each academic semester: Fall, Spring, and Summer.
4. The official date of a degree award is the final day of the academic semester including the exam week as specified in the Academic Calendar.
5. The Admissions and Registration Department certifies degree completion and degree awards.

Graduate Programs

Introduction

As part of its mission to support the economic and social advancement of the United Arab Emirates, Zayed University offers master's degrees in communication, diplomacy and international affairs, finance, information systems management, information technology and cyber security, and legal and judicial studies.

The graduate program learning outcomes for all graduate programs offered are aligned with QF Emirates level 9.

Zayed University is licensed and accredited by the Commission for Academic Accreditation (CAA), which is the quality assurance and accreditation body of the UAE Ministry of Education. As Zayed University is accredited by the Middle States Commission on Higher Education, graduate

programs are internationally recognized for further education and employment in private and public sector organizations.

Currently, the Deanship of Graduate Studies does not have cooperative relationships with other educational, cultural or community organizations.

Some of the University's academic policies for undergraduate programs also govern some aspects of graduate programs. However, a set of policies is available specifically for graduate programs.

Admission

As per policy [ACA-GRA-101](#), all admission requirements to the graduate programs at Zayed University conform with the policies and regulations of the UAE Ministry of Education.

Admission to Zayed University graduate programs is subject to minimum academic and English language standards. Individual programs may have higher admission standards or other requirements including baccalaureate CGPA, English language, work experience, pre-program courses and baccalaureate degree restrictions for specific programs. However, such requirements must be approved according to the Authority Matrix and published on the corresponding programs' webpages. Admission to credit bearing graduate programs is limited and competitive. A candidate who meets the minimum admission requirements is not guaranteed admission. When a graduate program limits the number of students it can accept in a particular semester, the university reserves the right to admit applicants ranked according to their CGPA and/or English Test score.

Admission Requirements

Admission to Diploma and Master's Degree Programs

The University sets the same minimum requirement of the baccalaureate Cumulative GPA for admissions into all graduate diploma and master's degree programs, which is based on the Standards published by the UAE Ministry of Education.

The minimum requirements for the English language proficiency may vary depending on the instructional language of the program, depending on whether this is English or Arabic.

All applicants to a graduate program must possess the necessary academic credentials, such as a prior degree, that is normally in the same field or a closely related discipline as the program to which the applicant is applying. Each graduate program may have variations of the prior field of study requirement depending on the nature of the program, such as interdisciplinary programs. However, any and all deviations from the requirements in this policy must be approved according to the Authority Matrix and published on the corresponding programs' webpages.

Eligible persons who are interested in pursuing graduate education at Zayed University must apply to the program(s) of interest by i. completing an application online, ii. submitting all required documents online; and, iii. paying the applicable admission application fee by the published deadline for the semester.

Applicants may request the transfer of graduate credits received from a previous university and apply it to their graduate degree plan. Transfers must be initiated by the graduate student at the time of admission. Transfers require the approval of the Department Chair and the College Graduate Program Coordinator of the respective graduate

program. The graduate student must receive transfer approval before enrolling in a graduate program.

Every complete application will be processed and the final decision of acceptance or rejection rests with the Dean of Graduate Studies. This decision will be communicated back to the applicant normally within two weeks. Incomplete applications will not be processed, and application fees will not be refunded as per the policy on Graduate Student Tuition and Fees ([ACA-GRA-102](#)).

Basic Requirements for Admission to Diploma and Master's Degree Programs

1. Regular Admission

Regular admission may be granted to eligible applicants who meet all admission requirements for the degree program, including CGPA and English Test score requirements. Except where restricted by further program level admission requirements, the minimum requirements for regular admission to graduate diploma and master's degree programs are:

- a. a. An earned baccalaureate degree in a discipline considered appropriate for the prospective program from an accredited university recognized by the UAE Ministry of Education with a Cumulative Grade Point Average (CGPA) of 3.0 or higher on a 4.0-point scale or equivalent; and,
- b. b. For graduate programs taught in English, one of the following: A TOEFL score of 213 CBT or 79 iBT, or 6.0 IELTS (Academic), or 1400 on the EmSAT English examination, or evidence that the applicant is a native speaker of English who has completed his/her undergraduate education in an English-medium institution in a country where English is the official language at the time of admission.
- c. c. For graduate programs taught in Arabic, one of the following: A TOEFL score of 133 CBT or 45 iBT, or 4.5 IELTS (Academic), or 950 on the EmSAT English examination and 1100 on the EmSAT Arabic examination at the time of admission.

2. Conditional Admission

Except where restricted by further program level requirements, an applicant who does not qualify for regular admission may be eligible for conditional admission by meeting the following minimum requirements at the time of admission:

Academic Requirements

Graduate programs offered in Arabic and English

- a. An earned baccalaureate degree in a discipline considered appropriate to the graduate program from an accredited

university recognized by the UAE Ministry of Education with a cumulative grade point average (CGPA) of 2.5 or higher on a 4.0-point scale or equivalent.

- b. A conditionally admitted student i) may take a maximum of nine (9) credit hours in the first semester of study; and, ii) must achieve a minimum of CGPA of 3.0 on a 4.0 scale in the first nine (9) credit hours in the credit-bearing courses studied for the graduate program.
- c. A conditionally admitted student who fails to meet the aforementioned requirements will be dismissed from the graduate program.

Language Requirements

Graduate programs offered in English

- a. A TOEFL score of 197 CBT or 71 iBT, or an IELTS (Academic) overall band score of not less than 5.5, or 1250 on the EmSAT English examination.
- b. A conditionally admitted student i) must meet the English language requirement for regular admission by the end of the student's first semester of study; ii) may take a maximum of six (6) credit hours in the first semester of study, not including intensive English courses; and, iii) must achieve a minimum of CGPA of 3.0 on a 4.0 scale in the first six (6) credit hours in the credit-bearing courses studied for the graduate program.
- c. A conditionally admitted student who fails to meet the aforementioned requirements will be dismissed from the graduate program.

Additional Admission Requirements

Application Form

Applications for admission to graduate programs must be submitted online through the Zayed University e-Services Portal: (<http://eservices.zu.ac.ae/main/Services/Servicecard/Postgraduate/Application-forGraduate-Program-Admission>)

Application Fee

A non-refundable application fee is required to process an admission application. An applicant must submit a receipt for payment of the non-refundable application fee in PDF format along with the application online.

Pre-Admission Interview

An applicant who has submitted a complete application, met all the admission standards appropriate to the program, and has paid the application fee may be invited to meet with graduate program faculty, face-to-face or virtually, to confirm program details and match to the candidate's experience as well as career and academic aspirations. Applicants should consult

the Zayed University Deanship of Graduate Studies website or the webpage of the individual graduate degree program for further information regarding interviews.

Pre-Program Courses

An applicant may be required to complete pre-program courses to demonstrate competency as directed by specific program requirements. However, the total number of credits of the preparatory courses must not exceed twelve (12) credit hours.

Supplementary Documents

The following supplementary documents must be submitted as PDF attachments as part of the online admission application process:

1. Transcript/Degree Certificate
An applicant must submit a certified copy of his/her official baccalaureate degree transcript with an English translation from the university granting the degree. If the transcript does not include the degree designation and when it was attained, an official degree certificate must be submitted.
2. Equivalency Letter
An applicant must submit an official baccalaureate degree equivalency letter issued by the UAE Ministry of Education.
3. English Language Competency Certificate
Only official IELTS, TOEFL (CBT or iBT) or EmSAT test results or true copies are acceptable.
4. Current Resume or CV in English (or Arabic for programs delivered in Arabic). The resume or CV should clearly indicate work/professional experience and educational milestones.
5. Copy of the Data Page of a Valid Passport
6. Copy of UAE ID (for residents of the UAE)
7. Passport Photo Scan

Additional Program-Specific Admission Requirements

Additional documents or supplementary items may be required by individual programs; however, such items must be approved according to the Authority Matrix and published on the corresponding graduate degree programs' webpages.

Confirmation of Admission

An offer of admission is confirmed upon the applicant's payment of the required "Registration Fee" before the deadline as stated in the offer letter. Zayed University reserves the right to revoke any admission offer if the recipient fails to pay the registration fee as required. A confirmed graduate student with admission must register for required program courses according to the program's curriculum plan before the start of each semester. Details on the program's curriculum are available on the individual graduate program's webpage or from the respective college/department. Zayed University reserves the right to cancel a student's registration in a graduate program and/or revoke

the admission offer if any of the documents submitted by the applicant/student is determined to be fraudulent or invalid at any stage after admission.

Baccalaureate students in their final semester may apply for admission to a Zayed University graduate program but cannot be admitted until all requirements are met.

Admission Decision

A candidate who is admitted to a graduate program will receive an official "Offer of Admission" notification which includes all admission details. The current admission status is maintained online in the candidate's application account.

Admission decisions are not subject to appeal.

Deferred Admission

An applicant who has been admitted to a graduate program may request deferred admission only once to the program's next admission cycle. The applicant should complete and submit a request for deferred admission online through the Zayed University e-Services Portal: <https://eservices.zu.ac.ae/main/Services/Servicecard/Postgraduate/Master-Students---Defer-Admission--English-Version-> and pay the applicable, non-refundable "Deferred Admission" fee before the specified date in the Offer of Admission. The fee amount will be credited towards tuition charges in the student's account for the student's first enrolment in the program.

Transfer Admission

An applicant to a graduate program may elect to transfer credit hours completed at the same academic level at another higher education institution upon admission to Zayed University. The applicant may transfer a maximum of 25% of the total credit hours required for the program, including any credits for prior learning. The "Course Transfer" rules in the "Graduate Student Registration" policy apply in this case.

Concentration

A concentration is a group of courses which represent a sub-specialization taken within the major field of study.

Zayed University requires at least 15 credits for a graduate program concentration.

- Students may seek the permission of the College to change concentrations and assume the burden of completing the requirements for the new concentration as a condition for graduation.
- Students are not allowed to change their concentration after completing 18 credits.
- Zayed University does not offer double concentrations.

Graduate Course Registration

Definitions

a. Registered (Active) Student Status

Registered (active) student status is attributed to a student who has an active course registration for academic credits in a particular semester.

b. Enrolled Student Status

Enrolled student status is attributed to a student who is admitted and has had at least one course registration, is on approved academic leave, is actively registered, or is on registration suspension.

Graduate Course Registration

As per policy [ACA-GRA-201](#), the university shall use the credit hour (CH) as the basis of its graduate programs and shall organize its educational process on a semester system.

A graduate student must be officially registered in a graduate program course to earn academic credit. Official registration in a graduate program course requires the student to meet all academic and financial requirements. A graduate student is responsible for confirming withdrawal from a graduate course (course drop).

A graduate student is responsible for being aware of university policies, academic requirements, programs, calendar events and/or changes in academic status. Notifications sent to a graduate student's Zayed University email account are considered official. A student is responsible for confirming withdrawal from a graduate degree program.

A graduate student is responsible for meeting all academic and financial requirements of the university to be eligible to register for a graduate course. An eligible graduate student shall register during the designated registration period as published by the university each semester until the graduate degree has been formally awarded. Registration is not official until the student is listed on the graduate class roster.

A graduate student who is registered in nine (9) or more credit hours in a semester is considered to have a full-time status. A student who is not employed or employed on a part-time basis may register in a maximum of twelve (12) credit hours per regular semester. Registering in more than 12 CH requires the recommendation of the Graduate Program Coordinator and the approval of the Dean of Graduate Studies. A student who is employed full-time typically registers in six (6) credit hours per regular semester and may not take more than 9 CH per semester.

Academic Advising

As per policy [ACA-GRA-203](#), all matriculated (full admission or regular admission) graduate students are to be advised by a full-time member of the

graduate faculty. The nature of academic advising may differ for different programs and at different states in the degree program. The Department Chair and Graduate Program Coordinator should ensure that all master and doctoral students are informed in a timely fashion about who their faculty advisor is. The graduate student and the graduate faculty advisor are mutually responsible for establishing and maintaining communication during the program duration. The graduate student should keep the same faculty advisor throughout the length of their studies. The advisor offers the necessary support and assistance in relevant areas such as advice on course selection, explaining the study program, guidance in meeting conditions for graduation, and an understanding of policies and procedures.

The Graduate Program Coordinator should contact graduate students for academic advising. Graduate students are also encouraged to contact the Graduate Program Coordinator for academic advising. The nature of academic advising may differ for different graduate programs and at different stages in the degree program.

Assignment of Advisors

By the start of their first term of graduate study, students should be assigned by the Department Chair a graduate faculty advisor who will assist them in planning a program of study to meet the degree requirements.

The assignment of graduate faculty advisors for incoming students should be conducted in a timely manner. The timing and process by which graduate students may change from their initial advisor to a different advisor should be explained.

The college or department should ensure that all master's degree students are informed in a timely fashion about procedures for selecting a thesis or dissertation research advisor, as well as selecting the committee members.

Responsibility of Graduate Faculty Advisors

Graduate faculty advisors will be responsible for advising graduate students throughout the duration of their academic program. This will allow the advisor to support the students' progress and oversee their performance from admission to graduation.

The scope of academic advising shall include, but not be limited to, the following areas:

- a. Serve as intellectual and professional mentor to their graduate students.
- b. Provide knowledgeable support concerning the academic and non-academic policies that pertain to graduate education.
- c. Discuss the graduate student's academic background, abilities and knowledge, research interests, and career objectives,

and, on that basis, propose an overall plan of study for them covering the duration of the program.

- d. Guide the graduate students through their study plans and guide the students' course selections.
- e. Support at-risk graduate students and assist in improving their performance.
- f. Stay informed about all the policies relating to graduate students.
- g. Encourage graduate students to become involved in the events and activities of campus life.

Responsibility of Graduate Students

Although graduate students are being academically advised, they too have responsibility for the advisory process. They should take initiative in communicating with their faculty advisor and in building a good relationship with them.

Graduate students are expected to:

- a. Contact their advisor for academic advising and approval of courses prior to self-registration;
- b. Communicate with their advisor if and when they consider a change in career objectives or in courses they wish to take;
- c. Maintain communication with their advisor for the duration of the program;
- d. Know the program, graduation, and concentration-track requirements, and consult their advisor if they have any questions about the same;
- e. Consult with the graduate faculty advisor on building or changing their program of study;
- f. Consult their academic advisor when encountering any academic difficulties;
- g. Request assistance from their academic advisor concerning the university resources that will support them to achieve their academic and professional goals.

Change of Advisor

If circumstances arise that call for a change of graduate faculty advisor, the graduate student will complete a request to change advisor using the Change of Advisor form and submit it to the Graduate Program Coordinator, who, if the request is deemed justifiable, will seek approval from the Department Chair, assign a new advisor, and inform the Registrar's Office.

A change in advisor must be approved by the Department Chair in order to keep advising loads equitable.

If a faculty member leaves, her/his advisees will be notified and assigned to another advisor by the Department Chair.

At-Risk Graduate Students

The Graduate Registrar identifies and tracks academically at-risk graduate students by reviewing the students' semester and cumulative GPAs, as well as the number of credits taken in a semester to determine their academic status. The Graduate Registrar also relies on the Graduate Program Coordinator to identify and report graduate students that consistently perform poorly in classes.

The Graduate Registrar forwards an academic status report for academically at-risk graduate students to the Graduate Program Coordinator at the beginning of each semester.

After identifying academically at-risk graduate students, the Graduate Program Coordinator should contact graduate faculty advisors and graduate students via email to alert them of their academic status. The faculty advisor should also arrange individual advising appointments to consult with graduate students on strategies to improve academic performance. The faculty advisor should refer graduate students to additional resources and other academic support services when needed.

The graduate student should meet with their faculty advisor to discuss their academic challenges along with possible solutions. The graduate student should also take advantage of targeted resources or academic support services recommended by the Graduate Program Coordinator.

Graduate students on probation must improve their CGPA within a semester to avoid academic dismissal.

The Graduate Registrar will forward an academic status report to the Graduate Program Coordinator at the end of the following semester to determine academic progress improvement.

Course Transfer

Graduate credits earned outside the student's program may be transferred to a graduate program at Zayed University subject to approval of a "Graduate Course Credit Transfer Request" at the time of admission and with the following restrictions:

- the course transfer credits were earned at the graduate level from an institution recognized by the UAE Ministry of Education;
- the course transfer credits were earned in the language of instruction appropriate to the program at Zayed University;
- normally, the course transfer credits must have been completed no more than (3) three years prior to the student's acceptance into the graduate program at Zayed University;
- the course transfer credits may not have been used previously in any graduate program to fulfill the requirements for any other graduate degree;

- only courses in which the student received grades of "B" (GPA 3.0) or higher will be considered for transfer;
- credits for graduation projects and thesis are not transferrable;
- the transfer student is in Good Academic Standing (a minimum CGPA of 3.0 on a 4.0 scale or higher in graduate level course work, or equivalent); and,
- a maximum of 25% of the total credit hours required for the program may be transferred into a program.

Graduate course transfer credits are designated as "TC" on the student transcript record but are not included in GPA calculations. Students who are admitted Conditionally will have their approved transfer courses applied into their transcript only after they finish their probational period and matriculate in their program. Transfer courses cannot be used in lieu of a course repeat. In special circumstances, a student may be permitted to take a course at another institution and transfer it to Zayed University after the student has begun graduate studies at Zayed University. However, the student must be in Good Academic Standing and must have an approved "Request to Take a Graduate Course at Another Institution" prior to enrolling in the course elsewhere. All aforementioned course transfer rules apply to cases of this type.

Course Drop

A graduate student may drop courses at any time during the Add/Drop period with the approval of the advisor without any indication on the transcript or financial charges. A graduate student may withdraw from a course after the Add/Drop period, with a grade of "W" recorded on the transcript, by submitting a request to withdraw to the advisor within the published deadline. The student is responsible for the cost of tuition of all courses dropped after the Add/Drop deadline.

Course Add or Repeat

Graduate students may repeat any graduate course subject to approval of a "Graduate Course Add or Repeat Request." Repeated courses and grades earned are included on the student's official academic record. A graduate student may not repeat more than 9 CH in a particular program. A student may not repeat a graduate course with a passing grade more than once. The best grade earned for a repeated course will be used to compute the student's degree program GPA.

A graduate student may add (register for) any non-program graduate course for which they are eligible to enroll subject to approval of a "Graduate Course Add or Repeat Request." Grades for added, non-program courses taken for credit will be included in the transcript but excluded from program GPA calculations. Added courses taken as audit will be designated as (AU) on the student's record; no

grade or academic credit value will be entered on the official academic record.

Course Challenge for Credit

A graduate student may demonstrate that they have acquired a command of the general course matter, knowledge, intellectual and practical skills that would normally be found in a specific university graduate level course by petitioning for a challenge exam for equivalent academic credit. Students may challenge a Zayed University graduate course that the College has deemed appropriate subject to approval of a completed "Challenge Assessment Request". Some restrictions may be imposed on certain courses in some programs.

The option of whether to grant the challenge request rests with the academic unit. For a challenge to be successful, the student's performance on the exam must be equivalent to a grade of "B" or better. Credits earned by a successful challenge as determined by the academic unit are designated as "CR" on the official student transcript but are not considered in GPA calculations. If the outcome of a challenge is unsuccessful, then the challenged course is assigned a failing grade. Student must pay a fee to challenge a course according to the approved Schedule of Tuition, Fees and Payments.

Limitations:

- a. A maximum of 25% of the total credit hours required for a program may be challenged, including credit transfer.
- b. A graduate student may challenge the same graduate course only once.
- c. The result of a course challenge may not be appealed.
- d. A challenge course cannot be used to replace a graduate program course previously taken at Zayed University.
- e. A graduate student with Conditional admission status or with registration suspension is not eligible for course challenge.
- f. A course which has been successfully challenged cannot be taken for credit.
- g. Once approved, a graduate student may not withdraw from a challenge and the examination must be administered within seven (7) days from the approval date. A student who does not attend an approved challenge exam will receive a grade of "W" and will not be allowed to challenge any additional courses.

Independent Study Courses

Offering of courses on Independent Study basis is not allowed at the graduate level.

Research Thesis and Dissertation

As per policy [ACA-GRA-301](#), to assist the university in achieving its vision and mission of academic excellence, the university shall establish standards for the preparation, review, evaluation and acceptance of research theses and dissertations required for graduate degrees. A research thesis is a requirement in all research-oriented master's degree programs.

Master Thesis

A master thesis presents scholarly work produced by a student who is pursuing a master's degree with the thesis option. The thesis demonstrates the student's familiarity with the literature of the field of study and reflects the student's reasoned selection and careful execution of research methodology. If the thesis is based on empirical research, it will show the student's ability to analyze and interpret research data.

A master's thesis is generally equivalent to six (6) or nine (9) credit hours, except for master's degree programs that are considered terminal degrees in their disciplines, such as the Master of Fine Arts (MFA), where the thesis may be equivalent to 12 or more credit hours. A student registers for thesis credits for a minimum of two (2) semesters after completing at least twelve (12) credit hours of coursework in the program. Only students in good academic standing can register for thesis credit. Students must be registered in the semester/term in which they defend their thesis. A Continuing Course (CC) grade is recorded by the Registrar until completion of the master's thesis. Students who do not complete their master's thesis after registering for thesis full credit hours must maintain continuous master's thesis enrollment until their defense of the master's thesis. Students will be charged the tuition rate of one (1) credit hour for each extension they need to complete their thesis. Students must complete the master's degree program requirements within five (5) years from initial enrollment, inclusive of any leave.

Each master's degree student who plans to pursue a research thesis must have a Thesis Committee. The membership of the Committee consists of the student's research supervisor, who has a graduate faculty designation as required by the relevant university policy, a faculty member from the same academic department, who also has graduate faculty designation, and a third faculty member with the appropriate graduate faculty designation and who is external to the university. The student's research supervisor serves as the Chair of the Thesis Committee. The Committee is formed by the Department Chair in consultation with the student's research supervisor.

The student develops a research proposal for the thesis and submits it to the supervisor for review and approval by the Thesis Committee prior to registering in any thesis credits. See section on the "Research Proposal" for more details. Graduate

students conducting research with human and/or animal subjects are required to seek ethical clearance from the Zayed University Research Ethics Committee and from any other required external entities before starting to collect the data for their research thesis. The student registers in thesis credits over multiple semesters and conducts the planned research according to the approved proposal and under the direct supervision of the research supervisor and in consultation with remaining members of the Thesis Committee. Upon completing the research, the student writes the thesis according to the “Thesis Preparation Guidelines” and submits it to the Thesis Committee for review. Once the Thesis Committee accepts the thesis and decides the student is ready to defend it, the supervisor communicates the committee’s decision in writing along with the final copy of the student’s thesis to the Chair of the student’s home academic department. The Committee Chair makes arrangements for the thesis defense. An announcement of the thesis defense is prepared by the student’s department and is released to the relevant community within the student’s home college and the university at least one (1) week prior to the scheduled date of the defense.

The defense of the thesis occurs in a public session as described in the section on “Defense of a Thesis or Dissertation.” The outcome of the thesis evaluation and defense is handled as described in the section on “Defense of a Thesis or Dissertation.” Once a thesis is accepted by the Thesis Committee, either initially or after it was modified at the request of Committee, the research supervisor submits a passing grade (P) for the thesis credits for the student. However, if the thesis was “Not Accepted” by the Thesis Committee, the research supervisor submits a failing grade (NP) for the thesis credits. The Thesis Committee’s decision is final and cannot be appealed.

Research Proposal

The student pursuing a graduate degree with a research thesis or dissertation is required to prepare a concise and complete research proposal that clearly defines the research problem and objectives and outlines the methodology for the planned research. The research proposal of a thesis or dissertation is a requirement that should be met before the student registers for thesis/dissertation research credits. The proposal contents and format must conform to the proposal development guidelines that are available from the student’s department or college. Students are advised to check with their research supervisors on the logistics and timeline for the submission and approval of research proposals.

Thesis and Dissertation Preparation Guidelines

Graduate students preparing theses or dissertations must follow the “Thesis and Dissertation Preparation Guidelines” published by the Deanship of Graduate Studies at Zayed University. These

guidelines provide general information on the organization of the thesis/dissertation document and specific instructions on the presentation and format of its contents. A thesis/dissertation will not be cleared for final release and printing until it fully conforms with the published guidelines of the university.

It is the individual student’s responsibility to ensure that the final thesis/dissertation meets all requirements stated in the “Thesis and Dissertation Preparation Guidelines” and is approved for release and printing by the published timeline each semester, and the Deanship of Graduate Studies reserves the right to return any thesis or dissertation that does not meet the stated requirements, which may lead to delay in the student’s clearance process for graduation.

Declaration of Original Work

The student author of a thesis/dissertation is required to declare that the thesis/dissertation is an original research work that was done and prepared by the student under the guidance of his/her research supervisor. A complete “Declaration of Original Work” statement is provided in the “Thesis/Dissertation Preparation Guidelines” document.

Copyright

The copyright of a thesis or dissertation is by the student, who is the author of the document. However, students are required to grant rights to Zayed University in order to make their theses/dissertations available to users of the university’s library and to make limited copies, as well as to make digital copies for library exchange or circulation. A complete “Declaration of Copyright License” statement is provided in the “Thesis/Dissertation Preparation Guidelines” document. The signed original of the “Declaration of Copyright License” must be submitted as a separate sheet along with a bound copy of the thesis/dissertation to the university library. A digital copy is also required to be submitted to the university library to be deposited into the University’s Institutional Repository.

A student who wishes to delay the release of his/her thesis/dissertation to the public for intellectual property reasons must submit a request to impose an embargo for up to two years. Upon the approval of the request by the Dean of Graduate Studies, the form is submitted to the library along with the “Declaration of the Copyright License” for implementation.

Defense of a Thesis or Dissertation

The defense of a thesis or a dissertation is held in a public session in two parts and in the presence of the Examination Committee. The entire session is presided over by the Chair of the Examination Committee.

- a. The first part consists of a presentation

by the student on the thesis/dissertation followed by a brief question-answer period for members of the audience. Then a short break is taken.

- b. After the brief recess, the defense session resumes with the second part which is dedicated exclusively to the members of the Thesis Committee for master students or Examination Committee for doctoral students to question the student on all aspects of the thesis/dissertation which includes, but is not limited to, the research and its findings, the results and their validation method, the contents of the thesis/dissertation, etc. Each college will set their own guidelines for examination.
- c. After the defense session adjourns, the Thesis or Examination Committee meets alone in a brief closed meeting. Each committee member completes a "Defense Evaluation Form" individually that reflects the examiner's own evaluation of the student's defense. Then, the Committee deliberates the student's overall performance on the thesis/dissertation and the defense and decides whether the thesis/dissertation is acceptable or not.
- d. The final decision of the Committee must be one of the following:
 - Accepted: The thesis/dissertation is accepted without any modifications.
 - Accepted with Minor Modifications: The thesis/dissertation is accepted with minor modifications that are requested by the Examination Committee.
 - Accepted with Major Modifications: The thesis/dissertation is accepted with major modifications that are requested by the Thesis or Examination Committee.
 - Not Accepted: The thesis/dissertation is considered by the Committee as not acceptable.
- e. It is preferred for the Thesis or Examination Committee to reach its final decision by consensus. However, if voting is necessary and results in a tie, the Committee Chair casts his/her vote in order to decide the final outcome. The Committee Chair completes the "Overall Examination Committee Evaluation of the Thesis/Dissertation and Defense Form" according to the Committee's final outcome. The form must be signed by all members of the Committee.
- f. The Committee Chair informs the student and the Department Chair of the committee's final decision verbally immediately after the Committee finishes its closed meeting, and in writing within two (2) working days.

- g. If the thesis/dissertation is "Accepted with Minor Modifications", then the student has ten (10) working days from the official written notification to make all required modifications and to submit the revised thesis/dissertation to the supervisor. At the time of final decision, the Thesis or Examination Committee may request to have the revised thesis/dissertation sent to them for their final review and approval. Otherwise, the revised document is checked and approved by the research supervisor who informs all members of the Committee of the final approval in writing.
- h. If the thesis/dissertation is "Accepted with Major Modifications", then the student has between thirty (30) and ninety (90) days to address all required changes and to submit the revised thesis/dissertation to the supervisor. The supervisor will in turn forward the thesis/dissertation to the members of the Thesis or Examination Committee who will have fourteen (14) working days to review the revised document. A member of the Thesis or Examination Committee may request further clarification/explanation on any part of the revision from the student.
- i. The decision of each examiner after the second review is to be communicated in writing directly to the Chair of the Thesis or Examination Committee. All members of the Thesis or Examination Committee must approve the changes in order for the thesis/dissertation to be accepted by the Committee. The Committee Chair communicates the overall decision of the Committee (i.e. Accepted or Not Accepted) to the student's research supervisor, who will in turn submit the corresponding grade for the research credits.

Finalizing a Thesis or Dissertation After the Defense

- a. The student submits the final draft of the accepted thesis/dissertation in hardcopy, spiralbound format to the Deanship of Graduate Studies for a final review.
- b. The Deanship of Graduate Studies checks the format and presentation of the document to ensure conformance with the published preparation guidelines and returns it to the student.
- c. The student makes requested changes, if any, and proceeds to print and bind a minimum of four (4) copies of the thesis/dissertation according to the specifications and instructions in the "Thesis/Dissertation Preparation Guidelines".
- d. Bound copies of a thesis/dissertation are to be signed by the student's research

supervisor, the Chair of the Examination Committee, the College Dean and the Dean of Graduate Studies.

- e. The bound copies are to be distributed as follows: a copy for the student, a copy for the student’s research supervisor, a copy for the student’s department, and a copy for the university library.

External Member of an Advisory Committee

A person external to Zayed University, such as from another academic institution or a business or governmental entity, who is deemed to have the appropriate academic qualifications and certain expertise or experience, may be nominated to serve as an external member on a student’s Thesis Committee or Dissertation Advisory Committee only as an additional member. The nomination, as a “Request to Appoint an External Member to a Thesis Committee or Dissertation Advisory Committee”, which is signed by the nominee and includes clauses on terms of research confidentiality and intellectual property, is submitted to the Deanship of Graduate Studies along with the nominee’s CV and a copy of the nominee’s terminal degree. The request must be approved by the Graduate Council before the external member can serve on the Thesis Committee or Dissertation Advisory Committee. The external member of the Advisory Committee will receive one thousand five hundred dirhams (AED 1,500) as compensation for their work on the committee.

Selecting an External Examiner

1. Qualification of the External Examiner

The external examiner must:

- a. Be a qualified, objective individual who is not associated or affiliated with Zayed University (see the “Conflict of Interest” section below).
- b. Hold a terminal degree in a discipline that is the same or closely related to the student’s area of specialization.
- c. Hold (or had held) the rank of Associate Professor, Professor or Emeritus Professor at a higher education institution that offers a similar degree as the one being sought by the student.
- d. Be a scholar with an established reputation and competence in the student’s research field demonstrated by the examiner’s research track record and publications.
- e. Have prior experience supervising academic research.
- f. Have not served as an external examiner for another student of the same student’s research supervisor in the last two (2) years. Exceptions may be made in special circumstances after the approval of the Assistant Dean for Research and Graduate Studies.

- g. Be at an academic institution that has a higher world ranking than Zayed University.

2. Conflict of Interest

The external examiner is a person who is an expert in the field but is not affiliated with the student, the supervisor or their research. Therefore, the examiner must have no potential conflict of interest with the student, his/her research supervisor, another examiner on the Examination Committee or Zayed University that may compromise the integrity of the evaluation process or the potential intellectual property rights of the student or the University.

Areas of conflict of interest include but are not limited to:

- a. Personal relationships (e.g., be a relative of, be a friend of, is emotionally attached to, has a dispute with, etc.).
- b. Working and professional relationships (e.g., be a co-author, be a collaborator, be a partner, has a business interest or ownership, has direct funding, be a supervisor/supervisee, be a referee, be an examiner/examinee, etc.)

Program Withdrawal

Student-Initiated Withdrawal

A student may withdraw from a graduate program at Zayed University by submitting a completed “Request for Program Withdrawal from Zayed University” to the Graduate Registrar.

University-Initiated Withdrawal

A graduate student may be administratively withdrawn from the university, after due notice, for failure to comply with financial obligations, disciplinary, or academic reasons, or in response to extraordinary personal circumstances.

In all cases, no refund of tuition or fees will be granted for withdrawing from a program except if indicated in the policy on Graduate Student Tuition and Fees.

Attendance

Policy [ACA-GRA-205](#) describes the requirements and responsibilities of graduate students and faculty regarding class attendance for graduate courses at Zayed University. This policy applies to all graduate students attending on-campus and/or off-campus university classes. This policy does not apply to practicum/internships or thesis.

Graduate students are expected to attend all classes, labs, seminars and examinations related to the courses in which they are registered. If they are unable to attend class for any reason, they are responsible for following the guiding principles below in a timely manner.

Attendance

Faculty will determine the attendance recording standards for their classes. Graduate students are responsible for keeping track of their own attendance. Graduate students are not allowed to attend classes without being officially registered in the course.

Absence from Class

It is the graduate student's responsibility to inform the instructor in a timely manner if they are going to be absent from class. It is the graduate student's responsibility to catch up on work missed through class absence. Permission to make up work may be granted by faculty for reasonable cause. Requests must be made immediately upon the graduate student's return to class. Graduate students should notify the Graduate Program Coordinator concerning lengthy absences due to illness or other causes, and appropriate documentation is required in such cases. If a graduate student misses more than 50% of the class meetings according to the record of the instructor, the student may be dismissed from the class. The decision will be made by the instructor in consultation with the Graduate Program Coordinator.

Reasonable Causes for Absence

Graduate students who are absent from class should provide relevant and official documentation. Categories of reasonable cause and the documentation required are the following:

- a. University sponsored student activity. An official letter from the college/department sponsoring the activity is required.
- b. Medical issue. A medical report indicating the issue as well as the implications of the condition is required.
- c. Work-related commitment. An official letter from the place of employment is required.
- d. Family emergency.

Final Assessments for Graduate Courses

Policy ACA-GRA-14 sets out the principle guidelines for all final assessments for graduate credit courses at Zayed University.

Course instructors of graduate courses are to provide a clear form of final assessment of student work that is valid, reliable and consistent with as well as sufficient for the learning outcomes of the course. The assessment may be a final examination, final paper, final individual/group project or presentation, or another form of cumulative assessment.

Guiding Principles

Course instructors are to include as much information about the final assessment as possible

in the course syllabus, including the type of assessment, its duration and the period in which it is expected.

a. Practicum or Internship

The final assessment of the performance of graduate students enrolled in a practicum or internship should be clearly described in the course syllabus, including the criteria to be used in assessing the performance of graduate students in the clinical or field experience.

b. Final Assessment Scheduling

If an in-class final assessment is required for a course, it must be given in the place and at the time announced in the course syllabus. If a course instructor needs more time than the scheduled class time or a different classroom, it is their responsibility to make the necessary arrangements. The final assessment for classes in A-term usually occurs during a regular class period in the last week of the term. Final assessments for B-term courses and full semester courses can be scheduled either during the last regular class period or during the same week of final exams as for undergraduate courses.

c. Late Work or Missed Final Assessments

Course instructors are not obliged to accept any late work or excuse a missed final assessment but should consider legitimate, documented reasons that are beyond a student's control. If a graduate student anticipates being unable to attend the final assessment, s/he should notify the course instructor as far in advance as possible. If a course instructor intends to accept but apply penalties to late final assessments, this must be set out clearly in the course syllabus. If a graduate student is absent from a final assessment at the time scheduled in the syllabus, one of the following decisions must be made: i) If in the judgment of the course instructor, the graduate student has a reasonable, valid and/or urgent reason for missing the assessment, the course instructor can decide to provide an alternative within reasonable conditions; or ii) The course instructor is to assign the graduate student a failing grade for the final assessment.

d. Submission of Grades

All final grades are submitted for each course on Blackboard and Banner 72 hours after the date of the final assessment. Final grades should not be submitted before the closing of the Student Evaluation of Learning Experience (SELE) for the course. Grades will be available to graduate students through the ZU system four (4) days after the last day

of the term or semester.

Grading in Graduate Programs

As per policy [ACA-GRA-206](#), the University establishes standards for course grades in graduate programs at Zayed University and defines the grading system to ensure that grading and grade assignments to graduate courses are performed in a manner consistent with good and common academic principles, standards and expectations of the University.

Definitions

- A quality point is a number between 0 and 4.00 that is assigned to a letter grade.
- A Grade Point Average (GPA) is a weighted average calculated as follows: $\text{Sum of (quality point} \times \text{credit hours)} / (\text{sum of credit hours})$.
- A student's Semester GPA is calculated for the courses taken for credits in that semester only.
- A student's Cumulative GPA is calculated for all courses taken for credits in a graduate program.
- Each grade that may be included in the GPA has a corresponding percentage on the scale of 100.
- The minimum passing grade for a graduate course is "C" (70%).

Grading in Graduate Programs

At the end of each graduate course, the instructor shall award each student in the course a letter grade that represents a complete and just assessment of the student's academic performance in the course. The grades are determined and submitted by the faculty member, and no further approval is required. However, Department Chairs are responsible for monitoring grade distributions and students' academic performance. Grades are assigned and recorded only for the students who are officially registered in the specific course. A letter grade may have a corresponding numerical quality point assigned to it which is then used to calculate the overall Grade Point Average (GPA). The grading system includes special grades which do not correspond to numerical quality points and, therefore, are not included in the calculation of the GPA. The cumulative GPA is computed for all graduate courses taken for credit at the University. All graduate courses for which a student registers, including repeated courses, are listed on the transcript and are used to calculate the student's cumulative GPA whether or not they are taken to fulfill degree requirements. The GPA serves as the primary indicator for measuring the overall academic performance of a student in a graduate program.

Grades and Academic Performance

- "A"**: This is the highest academic grade possible. This grade is reserved for academic performance that is truly distinctive and demonstrably outstanding. It represents a superior graduate-level mastery of course material and is a grade that demands a very high degree of understanding as well as originality or creativity appropriate to the nature of the course. The grade usually indicates that the student works independently with unusual effectiveness and often takes the initiative in seeking new knowledge outside the requirements of the course.
- "B"**: This is a grade that denotes achievement to graduate-level standards. Acceptable mastery of course materials is evident, and student performance demonstrates a degree of originality, creativity, or both. The grade usually indicates that the student works fairly well independently and often demonstrates initiative.
- "C"**: This grade indicates a minimum graduate-level competency in the course's basic learning outcomes.
- "F"**: This grade indicates an unacceptable performance in a course (failure).

Authorized Grades for Graduate Courses

The following is a list of all possible grades that can be assigned to graduate courses at Zayed University.

Grades which are computed in the GPA

Grade	Quality Point	Percentage	Explanation
A	4.00	90-100	Excellent
A-	3.70	87-89	Excellent
B+	3.30	84-86	Very Good
B	3.00	80-83	Good
B-	2.70	77-79	Satisfactory
C+	2.30	74-76	Satisfactory
C	2.00	70-73	Fair
F	0	0-69	Fail

Special grades which are not computed in the GPA

Grade	Meaning	Explanation
I	Incomplete	Temporary grade; course requirements not completed within the specified semester/term
P	Pass	Satisfactory performance for 'Pass/No Pass' courses only

NP	No Pass	Unsatisfactory performance for 'Pass/No Pass' courses only
CC	Continuing Course	Satisfactory progress in a continuing, multi-semester course; used primarily for projects and research theses/dissertations
NC	No Credit, Continuing Course	No credit is granted for unsatisfactory progress in a continuing, multi-semester course; used primarily for projects and research theses/dissertations
W	Withdrawal	Course withdrawal
WF	Fail Withdrawal	Withdrawal due to failure to complete course requirements
TC	Transfer Credit	Credit granted for course taken at another institution
AU	Audit	Course taken without credit
CR	Credit	Credit by course challenge exam

Incomplete (I) Grades

A student in a course may be granted an "I" grade if the student is unable to complete a particular requirement (e.g., project, term paper, final exam) for the course within the specified time period of the course due to unusual circumstances. It is the student's responsibility to submit to the instructor the necessary documents to substantiate a reason for not being able to complete a course requirement in time for consideration before the instructor submits the final grades of the course. A student who has received an "I" grade will have a maximum of four (4) calendar months after the official end of the semester to complete the missing requirement of the course. The responsibility for making arrangements with the instructor to complete all outstanding coursework rests entirely with the student. The instructor assesses the completed work and submits a request to change the grade for the student from "I" to a permanent grade within two (2) days after the student's submission of outstanding coursework. If the student fails to complete the remaining course requirement within the extended period, then the "I" grade converts to "WF" grade.

Continuing Courses

A continuing course is a course for which a student registers for credits over two or more consecutive semesters/terms. Project and thesis/dissertation courses are examples of continuing courses.

Each registration for a continuing course may be for zero (0) or more credits. A grade of "CC" or "NC" is assigned to each registration of the course by the end of the semester/term. Incomplete grades are not applicable to continuing courses. The number of credits granted to a continuing course upon the completion of its last registration is the sum of the total credits of all registrations with "CC" grades. Registrations with "NC" grades are excluded from the course credits and, hence, from the total number of credits of the program.

The final grade is assigned to a continuing course after the completion of the final registration and may be any applicable grade (e.g., Pass for thesis/dissertation). Accordingly, the same grade is assigned retroactively to all prior registrations of the course with "CC" grades. For example, if a student registers in a (project) course "ABC 690" for 3 consecutive semesters and each registration is for 3 credit hours, and receives "CC" for the first registration and "NC" for the second registration and the final course grade is "B", then the student will earn a total of 6 CHs and 18 quality points (6 CH x 3.00 QP).

Audited Courses

A graduate student may register for a course on audit basis (i.e. for no credit) upon approval of the Program Coordinator or Department Chair. A student who audits a course must pay the full amount of tuition and any associated fees of the course. An audit student is not required to take tests or the final examination of the course. A student may change a registration from audit to for credit during the Add/Drop period. However, under no circumstances can a course taken for audit be given credit at a later date.

Academic Progress in Graduate Programs

Definitions

a. GPA

The Grade Point Average (GPA) is a numerical average of the value of a student's final grades in credited courses required for the degree on a 4.00 quality point (QP) scale, weighted to reflect the credit hours assigned to each course and reported to two (2) decimal places.

- Grades for audit courses and transfer credits are excluded from the GPA calculation.
- Only the higher grade for repeated courses is included in the GPA calculation.

b. Semester GPA

The Semester GPA is determined for the total number of credit hours attempted during an identified regular academic semester.

c. Cumulative GPA (CGPA)

The CGPA is determined for all, non-excluded, eligible credit hours attempted inclusive of the current academic semester.

d. Good Academic Standing

A graduate student whose CGPA, determined at the end of a semester, is ≥ 3.00 is considered to be in Good Academic Standing.

Academic Progress

As per policy ACA-GRA-05, in support of its mission and vision, the university enforces standards of graduate student academic performance to govern satisfactory progress toward the degree.

A graduate student must complete all academic program requirements and be in good academic standing to be eligible for the award of the degree. Only course credits earned with a grade of "C-" or higher may be credited towards the degree. Only credits earned for courses specified in the approved program curriculum or approved as transfer credits may be credited towards the degree. Additional non-program courses or requirements specified on admission to demonstrate disciplinary competence are considered conditions for completion of the degree. Transfer credits may not be used to replace a graduate program course completed at Zayed University. A graduate student with conditional admission status may register for a maximum of six (6) CH towards the degree. A graduate student with provisional admission status may register for a maximum of nine (9) CH towards the degree.

All graduate program course credits must be completed within a maximum of five (5) consecutive calendar years from the initial registration term for which admission is granted, including any leaves of absence.

Program Continuation

A graduate student whose semester GPA < 3.0 will be placed on registration hold. The registration hold is removed on approval of an academic intervention plan to improve the student's academic performance, prepared by the Graduate Program Coordinator in consultation with the student and approved by the College Assistant Dean for Research and Graduate Studies.

A graduate student whose CGPA falls below 3.0 for the first time will be placed on first (1st) academic probation. A graduate student on 1st academic probation who fails to maintain good academic standing by the end of the subsequent semester will be placed on second (2nd) academic probation.

Academic Dismissal

A graduate student on 2nd academic probation who fails to maintain Good Academic Standing by the end of the subsequent semester will be dismissed from the university. A graduate student who

receives a grade of "F" in two (2) or more courses in one semester will be dismissed from the university. A graduate student who receives an unsatisfactory progress grade for a research thesis or dissertation in two (2) consecutive semesters will be dismissed from the university.

Program Discharge

A graduate student with conditional admission who does not qualify for regular admission by the end of the first semester will be discharged from the program.

Leave of Absence

A graduate student may request a leave of absence from their program of study for medical, family, professional (experience or development), or compassionate reasons. The maximum total leave time may not exceed one (1) year and the leave periods must coincide with full semesters. It is the student's responsibility to inform any agencies providing scholarships or an employer requiring enrollment of the leave from the program. A graduate student on approved leave of absence is not subject to payment of program fees and is not entitled to use university services. A graduate student must return from an approved leave of absence by the specified date indicated on the approved application form to continue in the program of studies. A graduate student with Conditional admission status is not eligible for a leave of absence. Leave of absence from study is granted by the Dean of Graduate Studies on approval of a completed "Leave of Absence" request.

Program Completion**Application for the Degree**

A graduate student who has completed all academic requirements must apply for graduation to the Graduate Registrar at least four (4) weeks prior to the last official day of the semester in order to be included in the graduation ceremony. A "Completion of Academic Requirements Attestation" will be issued on the completion of all degree requirements and the approval of the request to graduate. The official diploma will be issued to a qualifying student after the graduation ceremony date.

A graduate student who fails to complete the academic program requirements within the five (5)-year limit is subject to dismissal unless an extension is granted prior to the time limit expiration date as follows:

- a. A graduate student requesting an extension of the time period for program completion must submit an "Extension of Study Time Request" to the College Graduate Program Coordinator.

- b. A student may request one extension only for a maximum of two (2) semesters.
- c. Extension is granted by the Dean of Graduate Studies on approval of the “Extension of Study Time Request” accompanied with an academic action plan for degree completion within a specified time frame, prepared by the College Graduate Program Coordinator in consultation with the student.
- d. A Leave of Absence cannot be taken while a student has been granted an “Extension of Study Time Request”.

Graduation Requirement

Graduate students must be in Good Academic Standing (i.e., have a CGPA of 3.0 or higher) in order to be cleared for graduation.

Academic Honors and Excellence for Graduate Programs

Graduation Honors

In order to pursue academic excellence, and in support of its mission of academic excellence, the university shall establish awards that recognize outstanding academic performance.

Each year, the university shall recognize its outstanding graduates by designating graduate students who graduate with Distinction, High Distinction and Highest Distinction based on their Cumulative Grade Point Average.

Academic excellence achieved will be recognized at graduation.

Eligibility

As per policy [ACA-GRA-209](#), any graduating student with a Cumulative Grade Point Average (CGPA) of 3.60 or above will be awarded Honors at graduation as follows:

a.	Graduating CGPA of 3.90 to 4.00	Highest Distinction
b.	Graduating CGPA of 3.70 to 3.89	High Distinction
c.	Graduating CGPA of 3.60 to 3.69	Distinction

Process

Once final grades for all required graduate program courses have been officially recorded, the Graduate Registrar produces a list of students eligible to be awarded Distinction, High Distinction, and Highest Distinction. This list will be forwarded to the Graduate Council for approval. Graduation Honors will be announced at the graduation ceremony and will be recorded on the students’ academic transcripts and diplomas.

Academic Appeals for Graduate Degree Programs

Policy [ACA-GRA-208](#) ensures that the graduate academic appeals process at Zayed University is conducted in a manner that is consistent with University standards and with appropriate integrity, consistency, and fairness.

Graduate students have the right to appeal a final course grade as well as decisions about the student’s continuation in a program.

Appeal of a Course Grade

A student can request a review of their final course grade by submitting a written appeal to the Graduate Program Coordinator of the academic unit to which the course belongs, within three (3) working days from the date of publication of the final grades by the Office of the University Registrar. No changes to course grades will be considered after the deadline of this appeal period. Appeals must be initiated within the student’s home graduate unit unless the appeal relates to a course outside the graduate unit, in which case it must be initiated in the graduate unit in which the course was taken, with a notification sent from the Graduate Program Coordinator of the course to the student’s home graduate unit.

Appeal of Dismissal for Unsatisfactory Academic Progress

A student may request a review of the decision to dismiss them for unsatisfactory academic progress by submitting a written appeal to the Chair of the Graduate Student Case Committee within three (3) working days from the date of the decision. No reinstatement process will be considered after the deadline of this appeal period.

A written appeal statement submitted by the student must contain the following information:

- A statement of the issue.
- A statement of the specific steps that have been taken to resolve the issue with the course faculty, Graduate Program Coordinator and/or Chair of the Department.
- Evidence supporting why the student believes the decision made was inconsistent with existing course policy or university policy, was arbitrary or lacked sufficient evidence.

Decisions about the appeals are final and cannot be appealed. Appeals are kept confidentially along with the student’s official records within the university. All discussions and deliberations shall be held in strict confidentiality. The Dean of Graduate Studies will keep all documentation and decisions of the appeals for a period of five (5) years. After five (5) years, the files will be deleted and/or destroyed.

Academic Appeals Process

1. College Level Appeal (Course Grade Appeals Only)
 - a. A student may file a written appeal to the Graduate Program Coordinator within seven calendar days of official notification of the course grade. The appeals document must contain a summary of the evidence and arguments that the student believes supports his or her position in the appeal. The burden of proof falls upon the student.
 - b. It is the responsibility of the Graduate Program Coordinator to determine whether the evidence cited by the student warrants further investigation. The determination by the Graduate Program Coordinator shall be made only after providing the course instructor with the opportunity to respond to the appeal in writing. If the determination is made that the evidence cited warrants further consideration, it is the responsibility of the Graduate Program Coordinator to investigate the appeal.
 - c. If, in the judgment of the Graduate Program Coordinator, the evidence cited by the student is sufficient, the appeal may be upheld. In this instance the Graduate Program Coordinator communicates the appeal outcome to the student in writing, and files an appeals report and a grade change form to the Graduate Registrar, copied to the course instructor, within seven calendar days of receiving the student's written appeal.
 - d. If, in the judgment of the Graduate Program Coordinator, the evidence cited by the student is insufficient, the appeal may be denied. The appeal outcome is then communicated in writing to the student and the course instructor within seven calendar days of receiving the student's written appeal.
2. Appeal to Graduate Student Case Committee (Program Dismissal or Course Grade Appeals)
 - a. In the case of a program dismissal or if a satisfactory resolution cannot be reached for a course grade appeal at the college level, the student may lodge an appeal in writing to the Chair of the Graduate Student Case Committee within 14 calendar days of the decision. The appeals document must contain a summary of the evidence and arguments that the student believes supports his or her position in the appeal. The burden of the proof falls upon the student.
 - b. The Chair of the Graduate Student Case Committee will review the written student appeal and relevant supporting documents

and may opt to investigate further. If the Chair determines that the evidence cited warrants further consideration, the appeal is submitted to the Graduate Student Case Committee for consideration.

- c. If, in the judgment of the Graduate Student Case Committee, the appeal is successful, a decision on re-instatement or the final course grade to be awarded will be made. The Chair will communicate his/her decision in writing to the student, copied to the course instructor and the Graduate Program Coordinator, within 14 calendar days of receiving the student's written appeal, and will file a recommendation to re-instate or approve the faculty originated grade change form with the Graduate Registrar.
- d. If, in the judgment of the Graduate Student Case Committee the appeal is denied, the dismissal or original course grade will stand and the decision will be communicated in writing to the student, the instructor, the Graduate Program Coordinator and the Graduate Registrar within 14 calendar days of receiving the student's written appeal.
- e. Decisions of the Graduate Student Case Committee are final and cannot be appealed.

Tuition Fees and Other Graduate Service Fees

As per policy [ACA-GRA-102](#), the regulations regarding payment of graduate tuition and fees will be conducted equitably and in a manner that is consistent with the laws and standards of the university.

The university reserves the right to change any fee related to graduate programs. However, all changes are announced and published on the university's website with an effective date.

Schedule of Graduate Tuition and Fees

Graduate Program Tuition Fees

College / Program	Number of Credit Hours	Cost Per Credit Hour (AED)
College of Business		
Master of Science in Finance	36	2,667
College of Communication & Media Sciences		
Master of Arts in Communication (Strategic Public Relations)	36	2,667
Master of Arts in Communication (Tourism and Cultural Communication)	36	2,667

College of Humanities and Social Sciences		
Master of Legal and Judicial Studies	38	2,526
Master in Diplomacy and International Affairs	30	4,267
College of Technological Innovation		
Master of Science in Information Systems Management	30	2,666
Master of Science in Information Technology (Cyber Security)	30	3,200

*The tuition fee includes the introductory workshops, tuition, textbooks, course notes, access to library facilities and computing services, support of the Zayed University Computing Services staff and graduation.

All fees are including VAT in line with the requirements of the Federal Decree Law No. 08 of 2017 and its Executive Regulations.

Other Graduate Service Fees

Payment Option	Payment Timing	Payment Amount (AED)
Admission Application Fee	Required to process application	420
Deferred Admission Fee	Required to process request	5,000
Registration Fee	Before registering for courses	1,000
Registration Reinstatement	Required to process request	3,150
Challenge Exam Required	Required to process request	5,000
Official Academic Transcript	On request	52.50
Official Diploma Replacement	On request	157.50

*All fees are including VAT in line with the requirements of the Federal Decree Law No. 08 of 2017 and its Executive Regulations.

Schedule of Graduate Tuition Payment Plans for Students Each Semester/Term

Payment Option / Payment Timing	Payment Calculation (According to Schedule of Graduate Program Tuition Fees)
Option 1: Full Tuition Payment	
First day after the Add/Drop deadline	[(Cost/CH) X Number_of_Registered_CH] - Advance_Payment

Option 2: Full Tuition Payment for Sponsored Students	
Within 30 days after the Add/Drop deadline	[(Cost/CH) X Number_of_Registered_CH] - Advance_Payment
Option 3: Full Tuition Payment in 3 Installments [For Graduate Assistants Only]	
First Payment: End of 1st quarter of semester/term	[[(Cost/CH) X Number_of_Registered_CH] - Advance_Payment] / 3
Second Payment: End of 2nd quarter of semester/term	(Remaining balance after 1st payment) / 2
Final Payment: End of 3rd quarter of semester/term	Remaining balance after 2nd payment

*"Advance Payment" may be the Registration Fee, Deferred Admission Fee and/or any residual financial credits in the student's account.

**Specific payment due dates will be published on the university's website prior to each semester.

Payments of Graduate Tuition and Fees

All graduate student payments of tuition and fees must be made in accordance with the approved payment deadlines as specified in the Schedule of Graduate Tuition and Fees and Schedule of Graduate Tuition Payment Plans.

Graduate program tuition is charged on a per Credit Hour (CH) basis according to a schedule of rates approved by the university (See Schedule of Graduate Tuition and Fees). The number of CH used to charge tuition per course is equivalent to the number of CH of the course unless it is indicated otherwise. A graduate student must pay a registration fee prior to registering for courses each semester/term. The registration fee is credited towards the student's tuition charges of that semester/term. The registration fee is not refundable, and it does not carry over from one semester/term to another. Students claiming external sponsorship for the payment of tuition must provide a written confirmation from their sponsor before registering for courses every semester.

Sponsored students are exempted from paying the registration fee upon submitting the official sponsorship letter to the university. Sponsors pay tuition fees according to payment Option 2 in Schedule of Graduate Tuition Payment Plans.

Audited courses are charged on a per CH basis as any regular course registration.

Special courses (e.g., project, thesis or dissertation) registered for zero-credit in a particular semester are charged an amount equivalent to the cost of one (1) CH of the program's tuition.

Graduate students who are recipients of Graduate Assistantships are eligible to select payment

Option 3 of the Schedule of Graduate Tuition Payment Plans. Graduate Assistants on a tuition installment plan will be charged a 2% fee on the due balance if they do not pay on time and may have a financial hold placed on their record. Once confirmed, the selected payment option may not be changed for a particular semester.

Graduate students may view their fee balances and pay outstanding fees by logging into their Blackboard accounts at <http://learn.zu.ac.ae>. It is the students' responsibility to attain information and know of all financial charges associated with their accounts at the university and to ensure timely settlement of all charges. A graduate student with outstanding financial obligations will be placed on financial hold by the Financial Resources Department, which may lead to the student's inability to continue studies, cancellation of registration or dismissal from the program.

A non-refundable fee (see Schedule of Graduate Tuition and Fees) will be charged to reinstate a course registration within seven (7) calendar days of its cancellation upon request. No reinstatement of registration is allowed after the 7-day period.

Graduate Tuition, Fees Adjustments and Refund

All changes made to a student's registration during the Add/Drop period every semester will be automatically reflected in the final tuition charges in the student's account by the first payment deadline. A student who withdraws from a course during the Add/Drop period is not charged for the course. Withdrawing from a course after the Add/Drop period will not result in any refund of tuition charges. A schedule of the registration and Add/Drop periods and all relevant deadlines will be published on the website of the Graduate Studies Deanship before each semester. All Other Graduate Service Fees are non-refundable.

Graduate Student Support

In addition to external financial awards, as per policy ACA-GRA-04, Zayed University offers limited financial support for registered students in its graduate programs in the form of scholarships and assistantships. A scholarship is a non-service award made to graduate students to assist in the pursuit of an advanced degree. An assistantship is an appointment to specified compensated teaching and/or research duties.

Zayed University Financial Support

Graduate Merit Scholarships

Zayed University provides graduate merit scholarships to attract highly qualified students for study leading to a master's degree. These scholarships are awarded to graduate students

based on academic merit as determined from academic performance in senior baccalaureate courses. All entering graduate students are considered for this award.

Award Eligibility

To be eligible to receive this award, students must receive an offer of full admission to a Zayed University graduate degree program; students with conditional admission are not eligible; and, must submit a complete admission application prior to the published application deadline.

Award Limitations

Students:

- may not hold other major awards totalling \geq AED 25,000 (excluding any other Zayed University scholarship);
- must have a CGPA of 3.20 or higher (on a scale of 4.0) or its equivalent in the baccalaureate degree; and,
- must maintain a Good Academic Standing (i.e. CGPA \geq 3.0) once enrolled at Zayed University.
- must pay the registration fee by the published date.

The total value of the awarded merit and alumni scholarships must be no greater than 15% of the estimated total tuition revenues.

Award Determination Protocol

The level of award is determined according to the applicant's cumulative GPA (CGPA) in the baccalaureate degree as follows:

- $3.20 \leq \text{CGPA} < 3.60$: 10% of tuition costs
- $3.60 \leq \text{CGPA} < 3.80$: 25% of tuition costs
- $3.80 \leq \text{GPA}$: 40% of tuition costs

Conversions from other systems to Zayed University letter grades are guided by the World Education Services data.

Award Payment

Award payments are:

- made in the form of financial credits against the recipient's tuition; and,
- are applied proportionally to the student's account at Zayed University each semester.
- Award payments terminate if the recipient:
 - fails to maintain a CGPA of 3.0 or higher, or
 - receives financial support other than a Zayed University scholarship, or
 - withdraws from the program, or
 - takes unauthorized leave of absence, or
 - is dismissed for academic or other reasons.

Award Approval

The award is normally offered at the time of

admission and is subject to final approval of the Vice-President.

Zayed University Alumni Graduate Scholarships

Zayed University alumni who receive full admission to a Zayed University graduate degree program are eligible for a scholarship valued at up to 10% of tuition costs.

Award Eligibility

To be eligible to receive this award, students:

- must submit a complete Zayed University graduate program admission application prior to the published application deadline;
- must receive an offer of full admission to a Zayed University graduate degree program; and,
- must hold a Zayed University baccalaureate or master's degree.

Award Limitations

Zayed University alumni graduate scholarships:

- cannot be deferred; and
- the total value of the awarded merit and alumni scholarships must be no greater than 15% of the estimated total tuition revenues.

Award Determination Protocol

All Zayed University alumni qualify for this award.

Award Payment

Award payments are valued at 10% of tuition costs.

Award payments are:

- made in the form of financial credits against the recipient's tuition; and,
- are applied proportionally to the student's account at Zayed University each semester.

Award payments terminate if the recipient:

- withdraws from the program, or
- takes unauthorized leave, or
- is dismissed for academic or other reasons, or
- receives external sponsorship that covers 90% or more of the tuition.

Award Approval

The award is normally offered at the time of admission and is subject to final approval of the Vice-President.

Graduate Teaching, Research and Administrative Assistantships

Graduate Assistantships are designed to provide experiences for graduate students that contribute to their professional and academic development

while they are pursuing their graduate education at Zayed University. The individual duties of the awardees may vary depending on the type of Assistantship they hold, the project they are assigned to work on or the unit their assignment is affiliated with.

Graduate Teaching Assistants (GTA) enhance the learning experience of Zayed University undergraduate students by complementing the activities of the course instructor.

GTA duties may include but are not limited to:

- facilitating discussion sections or tutorials;
- assisting in laboratory sessions;
- holding weekly office hours;
- developing teaching materials;
- limited grading of homework, exams or projects;
- proctoring examinations;
- distributing and copying reading materials;
- preparing answer keys or supplementary notes.

GTA recipients may be requested to attend the instructor's lecture regularly as part of their duties.

Graduate Research Assistants (GRA) work with Zayed University faculty to conduct funded faculty-led research.

GRA duties may include but are not limited to:

- conducting literature reviews or library research;
- conducting interviews;
- collecting, logging or analysing research data; and,
- preparing articles, reports or presentations. Furthermore,
- GRA recipients assist and report to the faculty supervisor, and
- GRA recipients are not independent researchers and are not directly responsible for the outcome of their research.

The Graduate Studies Deanship in collaboration with the Colleges, the Center for Educational Effectiveness and the University Library will provide a pre-experience workshop and orientation program for GTA and GRA recipients each semester.

Graduate Administrative Assistants (GAA) GAA duties generally include administrative tasks that support the business function of an organizational unit.

GAA duties may include but are not limited to:

- assisting in events;
- providing customer support;
- performing searches and documenting findings;

- organizing statistics/information; and,
- contributing to the development of reports and presentations.

Award Eligibility

Incoming and current students enrolled in graduate degree programs at Zayed University are eligible to apply for these awards. However, the selection is limited and competitive and not all applications may be successful.

Students receiving a GTA/GRA/GAA award:

- must pay their tuition fees every semester according to the University's policies and procedures.
- may not hold any form of employment on- or off-campus during the term of award;
- must register in nine (9) or more credit hours each semester during the term of award; and,
- are expected to work a minimum of 20hr/week for a full Assistantship, or 10hr/week for a half Assistantship.

Award Limitations

The duration of a GTA/GRA/GAA appointment is a maximum of two (2) years.

Zayed University employees are not eligible for GTA/GRA/GAA support.

A student may hold only one (1) Graduate Assistantship at a time.

Students who have conditional admission of any type are not eligible until they matriculate as regular students in their program.

GTA/GRA/GAA appointments may be terminated with one month's notice if the recipient:

- fails to maintain Good Academic Standing (i.e. CGPA \geq 3.0), or
- fails to adequately perform assigned duties.

Award Determination Protocol

GTA/GRA/GAA applicants must submit the following documents to Graduate Studies Deanship by the published deadline:

- completed and signed GTA/GRA/GAA application form; and,
- current CV or resume.

Award Payment

Recipients will receive a financial compensation package that covers the average cost of tuition and basic cost of living expenses. The financial compensation will be dispensed to the recipients in monthly stipends as follow:

GTA recipients will receive a monthly stipend from the College:

- Full GTA, max. 20hr/week; compensation = AED 12,000/month

- Half GTA, max. 10hr/week; compensation = AED 6,000/month
- Source of Funding: College

GRA recipients will receive a monthly stipend from the Research Grant:

- Full GRA, 20h/week; compensation = AED 12,000/month
- Half GRA, max. 10hr/week; compensation = AED 6,000/month
- Source of Funding: Research Grant

GAA recipients will receive a monthly stipend from the College/Office:

- Full GAA, 20h/week; compensation = AED 6,000/month
- Half GRA, max. 10hr/week; compensation = AED 3,000/month
- Source of Funding: College/Office

Health insurance may be available to qualified students according to university regulations.

Award Approval

GTA and GAA applications are reviewed by the respective units and each selected applicant is approved for an award by the head of the unit, the Dean of the College and the Dean of Graduate Studies.

GRA applications are reviewed by the respective Principal Investigators of the funding grants, and each selected applicant is approved for an award by the respective PI, the Assistant Provost for Research and the Dean of Graduate Studies.

Tuition Assistance for Zayed University Employees

Tuition assistance is available on a limited and competitive basis to full-time employees of Zayed University who qualify to pursue graduate studies at Zayed University.

Award Eligibility

Zayed University employees who meet all the following criteria may apply for support under the benefit if they:

- are classified as "staff" according to Zayed University policies;
- are not in their probation or on leave period;
- have a regular full-time employment contract;
- have worked at Zayed University for a minimum of two (2) years up to the published master's degree program admission deadline;
- have been rated as "meet expectations" or better on the last annual evaluation;
- are recommended by their immediate supervisor; and,
- have received an offer of full admission to a

Zayed University master's degree program.

Award Limitations

- The chosen program shall normally support the applicant's career development.
- Tuition assistance may be combined only with a Zayed University Alumni Scholarship award and no other scholarships.
- Assistance is only applicable to the tuition costs of courses required for the selected master's degree program.
- Candidates may only submit one (1) application each fiscal year.
- A tuition assistance award may not be deferred or transferred.
- A tuition assistance award to study in one program may not be transferred to support studying in another program without the prior written approval of Graduate Studies Deanship.

Recipients must:

- remain in Good Academic Standing and must meet all their remaining financial obligations or risk having their tuition assistance award cancelled;
- pay the remaining balance of tuition and fees according to the university's published schedule of payment of each semester/term;
- adhere to all applicable university policies and procedures; and,
- maintain a minimum annual employee performance standing of "meet expectations" or better for their awards to continue.

A tuition assistance award is considered cancelled immediately upon the employee's leaving employment at the University.

Award Determination Protocol

Eligible Zayed University employees must first obtain regular admission to a Zayed University graduate degree program.

Applicants must submit the following documents to Graduate Studies Deanship by the published application deadline:

- copy of completed application to Graduate Studies Deanship;
- copy of Zayed University graduate programs admission letter; and,
- a reference /recommendation letter from the applicant's immediate supervisor must be sent confidentially and directly to the Deanship of Graduate Studies.

A Committee, to be appointed by the Vice-President, will review all qualified applications and recommend applicants for awards and the award amount/percentage for each one. Besides the applicant's credentials, the selection process will

consider factors such as the applicant's position requirements, benefits to the university, staff recruitment and retention issues, and current and potential future roles of the applicant.

Award Payment

The amount of tuition assistance may be up to 50% of the total tuition cost of the applicant's chosen master's degree program.

The tuition assistance is to be paid from funds made available by the university administration.

Award Approval

The award is subject to final approval of the Vice-President.

Tuition Discount for Sponsored Graduate Students

Graduate students may qualify for a discount on tuition fees if they are part of a group of students who are sponsored by an entity that has a valid written agreement with Zayed University.

Award Eligibility

To be eligible to receive this award, students must:

- meet all applicable conditions and requirements of the sponsorship agreement and the University.

Tuition discount may be combined with graduate merit or alumni graduate scholarships, where applicable.

Award Limitations

Students must be admitted and enrolled as a group in a particular semester in one or more master's degree programs at Zayed University.

Award Determination Protocol

The discount granted to sponsored students may be for a maximum of 20% of tuition fees and as specified in the relevant official agreement between the sponsor and Zayed University.

Award Payment

The discount granted to sponsored students and award payment will be as specified in the relevant official agreement between the sponsor and Zayed University.

Award Approval

The award is subject to final approval of the Vice-President.

External Financial Support

From time to time community-minded individuals and organizations provide tuition funds in the form of scholarships. The aim is to financially support exceptional students admitted to Zayed University's graduate degree programs. Specific details of external financial support options are

available from the Deanship of Graduate Studies website.

Graduate Student Records

Definitions

a. Official Academic Record (OAR)

The OAR is maintained by the institution to record a student's cumulative academic history, including personal identification information, admission, registration, academic performance, and official correspondence for each student enrolled in a graduate program.

b. Official Transcript

The Official Academic Transcript is a certified document issued to third (3rd) parties that provides a complete, accurate record of a student's academic history for a program.

Graduate Student Records Policy

As per policy ACA-GRA-10, the maintenance of graduate student academic records shall be governed by administrative standards which respect confidentiality and ensure consistency, integrity

and fairness. Zayed University shall maintain a student's Official Academic Record indefinitely. Submission of an admission application constitutes approval to collect pertinent personal information for institutional purposes. Each admitted graduate student is assigned a unique student number which identifies all associated graduate program academic records. Only authorized Zayed University personnel may alter an official graduate student academic record. Issuing the official academic transcript is the sole responsibility of the Graduate Registrar.

Zayed University is obligated to protect the privacy and security of its students and follows strict guidelines for maintaining the confidentiality of education records and monitoring the release of information from those records to 3rd parties. Only the student and authorized Zayed University personnel may access official academic records. Zayed University will not disclose the contents of a graduate student's official academic record to any party outside the university unless required by law or authorized in writing by the student.

Deanship of Graduate Studies Contacts

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General Education Program

Overview

The Interdisciplinary Foundations (IF) curriculum aims to provide students with the means to understand and develop the cognitive skills and competencies needed for innovation, collaboration and purpose-driven leadership, and to allow them to make informed decision-making across different fields. It therefore encompasses a set of fundamental skills and knowledge, organized around several “Big Questions”, that refer to far-reaching, contemporary, and enduring issues in science and society, and which are broadly applicable across a variety of disciplinary and professional contexts. These questions provide students with the opportunities to transfer knowledge and skills across different contexts and different disciplinary areas. The IF curriculum includes two Arabic labs, at different levels of proficiency; it also includes a set of case study and other contextualized reading materials that are specifically related to Islamic Studies and the U.A.E, as well as studies in innovation and entrepreneurship.

Program Learning Outcomes

The General Education program contributes to student attainment of the Zayed University Learning Outcomes. The General Education Program Learning Outcomes are as follows:

1. Thinking Critically: Evaluating claims and justifications, analyzing data, decisions and problems, and developing sustainable solutions.
2. Thinking Creatively: Applying research methods, solving problems, facilitating discovery, and formulating and implementing innovative ideas.
3. Communicating Effectively: Using the English and Arabic languages and using non verbal communication techniques.
4. Interacting Effectively: Interacting with complex systems, negotiating and persuading, working with others and resolving ethical dilemmas.
5. Global Awareness: Understand and value UAE and global cultures, including Islamic and non-Islamic societies, perceiving and reacting to differences from an informed and socially responsible point of view.

Program Description

General Education requirements are integral to every bachelor’s degree program at Zayed University. The total General Education requirements of all degree programs make up at least 40 Credit Hours (CHs) of the total number of required credits for any undergraduate degree.

The courses offered in General Education are as

follows:

<i>General Education</i>		<i>40 CHs</i>
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3
IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
ICB 103	Applied Algorithmic Thinking	4
IDS101	Critique and Communication	4
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
IDS102	Applied Creative and Critical Thinking	4
IDS103	Statistical Intuitions & Applications	4
IDS204	Deriving Insights from Evidence	4
IDS105	Systems and Society	4
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAH244	Ethical Systems, Moral Dilemmas	4

College of Arts and Creative Enterprises

Departments:

- Design
- Art

Degrees

- Bachelor of Fine Arts in Animation Design
- Bachelor of Fine Arts in Graphic Design
- Bachelor of Fine Arts in Interior Design
- Bachelor of Fine Arts in Visual Arts
- Bachelor of Science in Multimedia Design (*joint program with College of Communication and Media Sciences and College of Technological Innovation*)

Mission

The College of Arts and Creative Enterprises (CACE) aims to prepare students to become creative leaders in the arts and related industries. Its mission is to provide student artists and designers with an opportunity to explore and develop their own creative ideas while contributing to national cultural, entrepreneurial, and social/educational initiatives in the United Arab Emirates. This mission is accomplished through specializations and initiatives in which students:

- Integrate traditional and new practices in the production of exciting and innovative outcomes.
- Are adaptable and flexible in their professional practices.
- Give back to their community.

Faculty Listings by Department

Dean: Kevin Badni

Associate Dean: David Howarth

Design Department

Chair: Mehdi Sabet

Co-Chair: Tina Sleiman

Adina Hempel, Ahmed Bin Shabib, Alanood Bukhammas, Antoine Abi Aad, Asma Bukhammas, Azza Aboualam, Basem Mohamed, David Howarth, Francesca Sorcinelli, Ilze Loza, Jacqueline Soghman, Karim Musfy, Katarzyna Tracz, Katharina Richter, Marco Marco Vinicio Sosa, Omid Rouhani, Petra Merhy, Roberto Fabbri, Rund Hiyasat, Stefan Messam, Thorsten Lomker, Zena Adhami.

Art Department

Chair: Francesca Bacci

Co-Chair: Stephan Messam

Afra AlDhaheeri, Asma Belhamar, Colak Banu, Ferwa Ibrahim, Ghada AlDabbagh, Ioannis Papavasileiou, Isaac Sullivan, Janet Bellotto, Joshua Watts, Kara McKeown, Katarzyna Dzikowska, Kelly Devrome, Malak Quota, Maria L. Menano, Marie-Claire Bakker, Martin Nixon, Maruan Halabi, Mona Ayyash, Moya Goosen, Naz Shahrokh, Omair Faizullah, Peter Chanthanakone, Salama Nasib, Sharon Lindenfeld, Tala Atrouni.

Bachelor of Fine Arts in Animation Design

In Animation, students develop concepts and technical skills in three-dimensional computer modeling and animation, digital video, and web design using industry-standard software.

Students explore all types of virtual visualizations including text animation and motion graphics, character animation, story telling, and architectural modelling, rendering, and animation.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. **Theory and History of Animation:** Identify and classify animation styles and production processes from the evolved history of animation practice and utilize these in contemporary contexts.
(QFE/Level 7: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)
2. **Professional Art & Design Practice:** Communicate an idea or express a narrative or concept to a range of audiences while following time-management, and appropriate communication skills. Apply a range of art and design skills in animation, as well as in the professional practices of the animation field.
(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)
3. **Critical Thinking:** Develop an animation project and defend creative visual outcomes to an informed audience. Participate in critical discussion of the arts and the relationship to the creative process with a focus on animation.
(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)
4. **Visual Literacy:** Analyze complex visual and spatial problems to develop innovative animation and design solutions.
(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

5. Information Technology: Use and combine multiple traditional and emerging hardware and software technologies in the execution of animation projects.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

6. Teamwork and Leadership: Provide creative and constructive input to pursue a shared goal and collaborate effectively in animation production projects. Lead or cooperate among group members while assuming responsibility for self and group outcomes.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

Degree Requirements

Required Credit Hours: 120 hours

General Education	28 CHs
Program Required Courses	77 CHs
Electives	15 CHs

General Education Courses		28 CHs
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3
ICB103	Applied Algorithmic Thinking	4
IDS102	Applied Creative and Critical Thinking	4
IDS101	Critique and Communication	4
IAH244	Ethical Systems, Moral Dilemmas	4
IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1

Program Required Courses		77 CHs
ART121	Fundamentals of Art & Design Studies	3
ART220	Introduction to Art History	3
ART205	Art Foundations	3
ART201	Principles of Design	3
ART223	Arts of the Modern World	3
ART251	Basic Design	3
ART221	Research Methods for Artists and Designers	3
AAH322	History of Islamic Art and Architecture	3
AAD376	Animation I	3
AGD351	Graphic Design I	3
AVA310	Drawing I	3
AAD377	Animation II	3

AAD375	Fundamentals of Digital 3D	3
AGD314	Illustration and Visual Narrative	3
AGD356	Typography I	3
AAD476	Animation III	3
AAD378	Character Modeling	3
AAH427	History of Animation	3
ADR492	Senior Research Seminar	3
AAD475	Game Design	3
ADR321	Material Culture of the United Arab Emirates	3
ART209	CAD Lab	2
ADR405	Professional Practice	3
ART496	Senior Project	6
ART490	Internship	3

ART History Electives		3 CHs
<i>Student picks courses from below list</i>		
AAH324	Contemporary Islamic Art and Architecture	3
AAH325	History of Design	3
AAH326	Representation: Exhibition, Display and Interpretation I	3
AAH327	Representation: Exhibition, Display and Interpretation II	3
AAH420	Communities, Curatorial Practices, and Collections	3
AAH422	Contemporary Art Theory	3
AAH425	History of Graphic Design	3
AAH430	Curatorial Practices	3
AAH426	History of Interior Design	3

Program Electives		12 CHs
<i>Student picks courses from below list</i>		
ART297	Special Topics in Art and Design: Intermediate	3
AVA309	Digital Illustration	3
AVA313	Drawing II	3
AVA315	Sculpture I	3
AVA316	Ceramics I	3
AVA317	Storyboarding	3
AVA318	Three-Dimensional Design	3
AVA319	Introduction to Jewelry Design	3
AAH328	Cross Cultural Influences in Design	3
AVA340	Photography I	3
AVA346	Digital Video II	3
AGD357	Designing for the Web I	3
AGD358	Design for Social Change	3
AVA360	Printmaking I	3
AVA365	Digital Printmaking	3
AVA366	Book Structures I	3
ART397	Special Topics in Art and Design	3
AVA411	Painting II	3
AVA418	Installation	3

ART495	Independent Study	3
ART497	Special Topics in Art and Design	3
AVA312	Painting I	3
AVA345	Digital Video I	3
AID477	Advanced Modeling, Lighting and Rendering	3
AVA341	Photography II	3

Zayed University
College of Arts and Creative Enterprises
Bachelor of Fine Arts in Animation Design
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
	Year 1	ICB101		Strategic Learning and Growth	4	
ICB102		Expressive Clarity	3	IAH244	Ethical Systems, Moral Dilemmas	4
ICB103		Applied Algorithmic Thinking	4	IAR110 or	Arabic Lab 1 (N): Speaking to Engage & Persuade	1
IDS102		Applied Creative and Critical Thinking	4	IAR111		
				ART121	Fundamentals of Art & Design Studies	3
				ART220	Introduction to Art History	3
			Total	15		Total
Year 2	Semester 3			Semester 4		
	ART205	Art Foundations	3	ART221	Research Methods for Artists and Designers	3
	ART201	Principles of Design	3	AAH322	History of Islamic Art and Architecture	3
	IDS220	Fundamentals of Innovation and Entrepreneurship	3	AAD376	Animation I	3
	ART223	Arts of the Modern World	3	AGD351	Graphic Design I	3
	ART251	Basic Design	3	AVA310	Drawing I	3
	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1			
		Total	16		Total	15
Year 3	Semester 5			Semester 6		
	AAD377	Animation II	3	ART209	CAD Lab	2
	AAD375	Fundamentals of Digital 3D	3	AAD476	Animation III	3
	Elective	Program Elective	3	AAD378	Character Modeling	3
	AGD314	Illustration and Visual Narrative	3	AAH427	History of Animation	3
	AGD356	Typography I	3	Elective	Program Elective	3
		Total	15		Total	14
Year 4	Semester 7			Semester 8		
	ADR321	Material Culture of the United Arab Emirates	3	ADR405	Professional Practice	3
	ADR492	Senior Research Seminar	3	ART496	Senior Project	6
	AAD475	Game Design	3	Elective	Program Elective	3
	Elective	ART History Elective	3			
	Elective	Program Elective	3			
		Total	15		Total	12
Year 5	Semester 9					
	ART490	Internship	3			
		Total	3			

Total = 120 Credit Hours

Bachelor of Fine Arts in Graphic Design

In Graphic Design, students acquire theoretical and practical knowledge in design and practice while developing a variety of skills in print and media design. Through their course work, students explore typography, publication and packaging design, advertising, branding, and web design. They also learn about project briefs, research, and client interaction, and how to pitch, develop, and finally implement design proposals. Through community engagement and team-directed and client-based projects, students are encouraged to understand the social and cultural dimension of any project in order to become innovative leaders in design.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Theory and History of Graphic Design:** Demonstrate an understanding of the evolution of graphic design and utilize styles and theoretical analyses to generate visual solutions.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Professional Graphic Design Practice:** Test academic knowledge in real practice scenarios by delivering an idea to a range of audiences while following professional standards, time-management, and appropriate communication skills.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Critical Thinking:** Define, analyze a problem, empathize with an audience, as well as conceptualize and evaluate potential design solutions.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Visual Literacy:** Demonstrate an understanding of the fundamentals of visual language to effectively communicate and convey ideas and/or messages through innovative design solutions.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Information Technology:** Integrate multiple design technologies with knowledge and proficiency in the appropriate media.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Teamwork and Leadership:** Participate in team dynamics prior to pursuing a stated goal and understand the importance of collaboration

while assuming responsibility for self and team outcomes.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

Degree Requirements

Required Credit Hours: 120 hours

General Education	28 CHs
Program Required Courses	77 CHs
Electives	15 CHs

General Education Courses		28 CHs
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3
ICB103	Applied Algorithmic Thinking	4
IDS102	Applied Creative and Critical Thinking	4
IDS101	Critique and Communication	4
IAH244	Ethical Systems, Moral Dilemmas	4
IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1

Program Required Courses		77 CHs
ART121	Fundamentals of Art & Design Studies	3
ART220	Introduction to Art History	3
ART205	Art Foundations	3
ART201	Principles of Design	3
ART223	Arts of the Modern World	3
ART251	Basic Design	3
AVA310	Drawing I	3
ART221	Research Methods for Artists and Designers	3
AAH322	History of Islamic Art and Architecture	3
AGD351	Graphic Design I	3
AGD352	Graphic Design II	3
AGD356	Typography I	3
AGD357	Designing for the Web I	3
AGD451	Graphic Design III	3
AGD452	Packaging Design	3
AGD459	New Media Design	3
ADR492	Senior Research Seminar	3
AGD359	Information Design	3
AGD453	Graphic Design IV	3
ADR321	Material Culture of the United Arab Emirates	3

ART209	CAD Lab	2
AGD456	Typography II	3
ADR405	Professional Practice	3
ART496	Senior Project	6
ART490	Internship	3

ART History Electives <i>Student picks courses from below list preference AAH325 or AAH425</i>		6 CHs
AAH324	Contemporary Islamic Art and Architecture	3
AAH325	History of Design	3
AAH326	Representation: Exhibition, Display and Interpretation I	3
AAH327	Representation: Exhibition, Display and Interpretation II	3
AAH420	Communities, Curatorial Practices, and Collections	3
AAH430	Curatorial Practices	3
AAH425	History of Graphic Design	3
AAH422	Contemporary Art Theory	3
AAH426	History of Interior Design	3
AAH427	History of Animation	3

Program Electives <i>Student picks courses from below list</i>		9 CHs
ART297	Special Topics in Art and Design: Intermediate	3
AVA309	Digital Illustration	3
AVA312	Painting I	3
AVA313	Drawing II	3
AGD314	Illustration and Visual Narrative	3
AVA315	Sculpture I	3
AVA316	Ceramics I	3
AVA317	Storyboarding	3
AVA318	Three-Dimensional Design	3
AVA319	Introduction to Jewelry Design	3
AAH328	Cross Cultural Influences in Design	3
AVA340	Photography I	3
AVA345	Digital Video I	3
AGD355	Designing with Color	3
AGD358	Design for Social Change	3
AVA360	Printmaking I	3
AVA365	Digital Printmaking	3
AVA366	Book Structures I	3
AAD375	Fundamentals of Digital 3D	3
AAD376	Animation I	3
ART397	Special Topics in Art and Design	3
AGD457	Designing for the Web II	3
AAD377	Animation II	3
ART495	Independent Study	3
ART497	Special Topics in Art and Design	3
AVA341	Photography II	3

Zayed University
College of Arts and Creative Enterprises
Bachelor of Fine Arts in Graphic Design
(Recommended Sequence)

	Semester 1			Semester 2		
			Credits			Credits
Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communication	4
	ICB102	Expressive Clarity	3	IAH244	Ethical Systems, Moral Dilemmas	4
	ICB103	Applied Algorithmic Thinking	4	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade	1
	IDS102	Applied Creative and Critical Thinking	4		Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	
				ART121	Fundamentals of Art & Design Studies	3
				ART220	Introduction to Art History	3
			Total	15		Total
Year 2	Semester 3			Semester 4		
	ART205	Art Foundations	3	AVA310	Drawing I	3
	ART201	Principles of Design	3	ART221	Research Methods for Artists and Designers	3
	IDS220	Fundamentals of Innovation and Entrepreneurship	3	AAH322	History of Islamic Art and Architecture	3
	ART223	Arts of the Modern World	3	Elective	Program Elective	3
	ART251	Basic Design	3	AGD351	Graphic Design I	3
	IAR210 OR IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1			
			Total	16		Total
Year 3	Semester 5			Semester 6		
	AGD359	Information Design	3	AGD451	Graphic Design III	3
	Elective	ART History Elective	3	AGD452	Packaging Design	3
	AGD352	Graphic Design II	3	AGD459	New Media Design	3
	AGD356	Typography I	3	Elective	ART History Electives <i>(preference AAH325 or AAH425)</i>	3
	AGD357	Designing for the Web I	3	ART209	CAD Lab	2
			Total	15		Total
Year 4	Semester 7			Semester 8		
	ADR492	Senior Research Seminar	3	ADR405	Professional Practice	3
	Elective	Program Elective	3	ART496	Senior Project	6
	AGD453	Graphic Design IV	3	Elective	Program Elective	3
	AGD456	Typography II	3			
	ADR321	Material Culture of the United Arab Emirates	3			
		Total	15		Total	12
Year 5	Semester 9					
	ART490	Internship	3			
		Total	3			

Total = 120 Credit Hours

Bachelor of Fine Arts in Interior Design

In Interior Design, students acquire the appropriate technical skills and conceptual knowledge to design functional, safe, and aesthetically appealing interior architectural spaces for their clients. Students work on small residential to large commercial projects and learn about soft and hard decorative finishes, illumination, and the interplay between social and natural environments. Through research, problem solving, and applied practice, students understand the complexities of the built environment while developing creative solutions.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- 1. Theory and History of Art and Interior Design:** Comprehend and employ historical cases and theoretical analysis as a platform to initiate research design development in the context of human habitation in interior spaces.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- 2. Professional Interior Design Practice:** Exhibit the ability to develop interior design assignments in the context of design practice fundamentals supported by internship to test their academic knowledge in the real practice scenarios.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- 3. Critical Thinking:** Define and analyze a given design problem, evaluate and test potential solutions, develop the project through a rigorous process, and defend the outcome (orally and graphically) to an informed audience.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- 4. Interior Design Literacy:** Demonstrate the proper design skills to formulate complex spatial problems and provide responsive and innovative solutions, while considering the social, behavioral, technical, and physical constraints.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- 5. Information Technology:** Understand the limitations of technology to select the appropriate digital media for interior design developments, and demonstrate an integrated approach by utilizing multiple technologies in their design projects and portfolios.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- 6. Teamwork and Leadership:** Exhibit character of supportive, flexible, trust, and self-reliance in a group setting to engage in the development of a successful outcome.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

Degree Requirements

Required Credit Hours: 120 hours

General Education	28 CHs
Program Required Courses	77 CHs
Electives	15 CHs

General Education Courses		28 CHs
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3
ICB103	Applied Algorithmic Thinking	4
IDS102	Applied Creative and Critical Thinking	4
IDS101	Critique and Communication	4
IAH244	Ethical Systems, Moral Dilemmas	4
IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1

Program Required Courses		77 CHs
ART121	Fundamentals of Art & Design Studies	3
ART220	Introduction to Art History	3
ART205	Art Foundations	3
ART201	Principles of Design	3
ART223	Arts of the Modern World	3
ART251	Basic Design	3
ART221	Research Methods for Artists and Designers	3
AID287	Interior Design Studio I	3
AAH322	History of Islamic Art and Architecture	3
AID311	Drawing for Designers	3
AID279	CAD I	3
AID336	Interior Design Studio II	3
AID337	Color and Light Design	3
AID379	CAD II	3
AID391	Interior Design Materials and Construction	3

AID385	Interior Design Studio III	3
AID387	Furniture Design	3
ADR321	Material Culture of the United Arab Emirates	3
ART209	CAD Lab	2
AID388	Environmental Control Systems	3
ADR492	Senior Research Seminar	3
AID486	Interior Design Studio IV	3
ADR405	Professional Practice	3
ART496	Senior Project	6
ART490	Internship	3

AVA366	Book Structures I	3
AAD375	Fundamentals of Digital 3D	3
AAD376	Animation I	3
AID389	Basic Architecture	3
ART397	Special Topics in Art and Design	3
AVA418	Installation	3
AID477	Advanced Modeling, Lighting and Rendering	3
ART495	Independent Study	3
AVA341	Photography II	3
ART497	Special Topics in Art and Design	3

ART History Electives		6 CHs
<i>Student picks courses from below list</i>		
AAH324	Contemporary Islamic Art and Architecture	3
AAH325	History of Design	3
AAH326	Representation: Exhibition, Display and Interpretation I	3
AAH327	Representation: Exhibition, Display and Interpretation II	3
AAH420	Communities, Curatorial Practices, and Collections	3
AAH425	History of Graphic Design	3
AAH426	History of Interior Design	3
AAH430	Curatorial Practices	3
AAH422	Contemporary Art Theory	3
AAH427	History of Animation	3

Program Electives		9 CHs
<i>Student picks courses from below list</i>		
ART297	Special Topics in Art and Design: Intermediate	3
AVA309	Digital Illustration	3
AVA310	Drawing I	3
AVA312	Painting I	3
AGD314	Illustration and Visual Narrative	3
AVA315	Sculpture I	3
AVA316	Ceramics I	3
AVA318	Three-Dimensional Design	3
AVA319	Introduction to Jewelry Design	3
AAH328	Cross Cultural Influences in Design	3
AVA340	Photography I	3
AVA345	Digital Video I	3
AGD351	Graphic Design I	3
AGD356	Typography I	3
AGD357	Designing for the Web I	3
AGD358	Design for Social Change	3
AGD359	Information Design	3
AVA360	Printmaking I	3
AVA365	Digital Printmaking	3

Zayed University
College of Arts and Creative Enterprises
Bachelor of Fine Arts in Interior Design
(Recommended Sequence)

	Semester 1			Credits	Semester 2			Credits
	Year 1	ICB101	Strategic Learning and Growth		4	IDS101	Critique and Communication	
ICB102		Expressive Clarity	3	IAH244	Ethical Systems, Moral Dilemmas	4		
ICB103		Applied Algorithmic Thinking	4	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade	3		
IDS102		Applied Creative and Critical Thinking	4		Arabic Lab 1 (NN): Arabic Language & Culture for Beginners			
				ART121	Fundamentals of Art & Design Studies	3		
				ART220	Introduction to Art History	3		
			Total	15		Total	15	
Year 2	Semester 3			Semester 4			15	
	ART205	Art Foundations	3	ART221	Research Methods for Artists and Designers	3		
	ART201	Principles of Design	3	AID287	Interior Design Studio I	3		
	IDS220	Fundamentals of Innovation and Entrepreneurship	3	AAH322	History of Islamic Art and Architecture	3		
	ART223	Arts of the Modern World	3	AID311	Drawing for Designers	3		
	ART251	Basic Design	3	AID279	CAD I	3		
	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1					
		Total	16		Total	15		
Year 3	Semester 5			Semester 6			14	
	Elective	Program Elective	3	ART209	CAD Lab	2		
	AID336	Interior Design Studio II	3	Elective	ART History Elective	3		
	AID337	Color and Light Design	3	AID385	Interior Design Studio III	3		
	AID379	CAD II	3	AID387	Furniture Design	3		
	AID391	Interior Design Materials and Construction	3	AID388	Environmental Control Systems	3		
		Total	15		Total	14		
Year 4	Semester 7			Semester 8			12	
	ADR492	Senior Research Seminar	3	ADR405	Professional Practice	3		
	AID486	Interior Design Studio IV	3	ART496	Senior Project	6		
	ADR321	Material Culture of the United Arab Emirates	3	Elective	ART History Elective	3		
	Elective	Program Elective	3					
	Elective	Program Elective	3					
		Total	15		Total	12		
Year 5	Semester 9			3	3			
	ART490	Internship	3					
		Total	3					

Total = 120 Credit Hours

Bachelor of Fine Arts in Visual Arts

In Visual Arts, we believe that professional creative expression requires both technical and intellectual skills that are acquired through intensive studio work, research, professional exposure, and gallery practice. Students thus acquire a variety of visual art skills, including drawing, painting, sculpture, photography, printmaking, and video, while also developing their critical awareness of artistic issues, past, present, and future, within the region and internationally.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Theory and History of Art:** Apply art and design theory to complete historical and conceptual analysis of social or medium specific case studies in art and design.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Professional Art Practice:** Apply art and design skills in practical application, as well as in professional practice.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Critical Thinking:** Define and analyze a visual/conceptual problem, and develop and defend potential solutions to an informed audience.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Visual Literacy:** Analyze and interpret visual culture and design principles, and formulate complex visual and spatial problems as well as develop innovative solutions.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Information Technology:** Utilize multiple creative art and design software in the creation of their professional portfolio. Students are able to demonstrate the capabilities and limitations of technology by choosing appropriate media for the completion of their art and design projects.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

- Teamwork and Leadership:** Provide creative and constructive input to pursue a shared goal and collaborate effectively in projects. Lead or cooperate among group members while assuming responsibility for self and group outcomes.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

Degree Requirements

Required Credit Hours: 120 hours

General Education	28 CHs
Program Required Courses	65 CHs
Electives	27 CHs

General Education Courses		28 CHs
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3
ICB103	Applied Algorithmic Thinking	4
IDS102	Applied Creative and Critical Thinking	4
IDS101	Critique and Communication	4
IAH244	Ethical Systems, Moral Dilemmas	4
IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1

Program Required Courses		65 CHs
ART121	Fundamentals of Art & Design Studies	3
ART220	Introduction to Art History	3
ART205	Art Foundations	3
ART201	Principles of Design	3
AVA310	Drawing I	3
ART251	Basic Design	3
ART221	Research Methods for Artists and Designers	3
AAH322	History of Islamic Art and Architecture	3
AVA312	Painting I	3
AVA340	Photography I	3
ART223	Arts of the Modern World	3
AVA345	Digital Video I	3
AVA315	Sculpture I	3
AVA313	Drawing II	3
AVA360	Printmaking I	3
ADR321	Material Culture of the United Arab Emirates	3
ART209	CAD Lab	2
ADR492	Senior Research Seminar	3
ADR405	Professional Practice	3
ART496	Senior Project	6
ART490	Internship	3

ART History Electives		6 CHs
AAH324	Contemporary Islamic Art and Architecture	3
AAH325	History of Design	3
AAH326	Representation: Exhibition, Display and Interpretation I	3
AAH327	Representation: Exhibition, Display and Interpretation II	3
AAH420	Communities, Curatorial Practices, and Collections	3
AAH422	Contemporary Art Theory	3
AAH427	History of Animation	3
AAH430	Curatorial Practices	3
AAH425	History of Graphic Design	3
AAH426	History of Interior Design	3

Program Electives <i>(Preference AGD351 or AGD357)</i>		21 CHs
ART297	Special Topics in Art and Design: Intermediate	3
AVA309	Digital Illustration	3
AGD314	Illustration and Visual Narrative	3
AVA316	Ceramics I	3
AVA317	Storyboarding	3
AVA318	Three-Dimensional Design	3
AVA319	Introduction to Jewelry Design	3
AAH328	Cross Cultural Influences in Design	3
AVA341	Photography II	3
AVA342	Introduction to Studio Lighting	3
AVA346	Digital Video II	3
AGD351	Graphic Design I	3
AGD356	Typography I	3
AGD357	Designing for the Web I	3
AGD358	Design for Social Change	3
AVA363	Printmaking II	3
AVA365	Digital Printmaking	3
AVA366	Book Structures I	3
AAD375	Fundamentals of Digital 3D	3
AAD376	Animation I	3
ART397	Special Topics in Art and Design	3
AVA410	Drawing III	3
AVA411	Painting II	3
AVA415	Mixed Media	3
AVA418	Installation	3
ART495	Independent Study	3
ART497	Special Topics in Art and Design	3
AAH325	History of Design	3

Zayed University
College of Arts and Creative Enterprises
Bachelor of Fine Arts in Visual Arts
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
	Year 1	ICB101		Strategic Learning and Growth	4	
ICB102		Expressive Clarity	3	IAH244	Ethical Systems, Moral Dilemmas	4
ICB103		Applied Algorithmic Thinking	4	IAR110 or	Arabic Lab 1 (N): Speaking to Engage & Persuade	1
IDS102		Applied Creative and Critical Thinking	4	IAR111	Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	
				ART121	Fundamentals of Art & Design Studies	3
				ART220	Introduction to Art History	3
			Total	15		Total
Year 2	Semester 3			Semester 4		
	ART205	Art Foundations	3	ART221	Research Methods for Artists and Designers	3
	ART201	Principles of Design	3	AAH322	History of Islamic Art and Architecture	3
	IDS220	Fundamentals of Innovation and Entrepreneurship	3	AVA312	Painting I	3
	ART223	Arts of the Modern World	3	AVA340	Photography I	3
	ART251	Basic Design	3	AVA310	Drawing I	3
	IAR210 or	Arabic Lab 2 (N): Writing to Inform	1			
	IAR211	Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency				
		Total	16		Total	15
Year 3	Semester 5			Semester 6		
	AVA345	Digital Video I	3	Elective	Program Elective	3
	AVA315	Sculpture I	3	Elective	Program Elective	3
	Elective	ART History Elective	3	Elective	Program Elective <i>(Preference AGD351 or AGD357)</i>	3
	AVA313	Drawing II	3	Elective	Program Elective	3
	AVA360	Printmaking I	3	ART209	CAD Lab	2
			Total	15		Total
Year 4	Semester 7			Semester 8		
	ADR321	Material Culture of the United Arab Emirates	3	ADR405	Professional Practice	3
	ADR492	Senior Research Seminar	3	ART496	Senior Project	6
	Elective	Program Elective	3	Elective	ART History Elective	3
	Elective	Program Elective	3			
	Elective	Program Elective	3			
			Total	15		Total
Year 5	Semester 9					
	ART490	Internship	3			
			Total	3		

Total = 120 Credit Hours

Bachelor of Science in Multimedia Design

(joint program with College of Communication and Media Sciences and College of Technological Innovation)

This interdisciplinary program emphasizes the acquisition of the knowledge and skills in information technology, public media, and the arts that will meet the growing demand by employers for multimedia graduates with broad expertise and a high level of leading-edge technical skills. The program encompasses the design, development, and deployment of interactive multimedia. It focuses on the effective management of current and emerging technologies and highlights innovation and entrepreneurship throughout the program. Graduates with a degree in Multimedia Design will be well prepared for both the public and corporate sectors and will be able to manage and develop interactive multimedia initiatives ranging from software development to the design and management of live interactive corporate media systems. The program draws equally on faculty strength in the three colleges that support it.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Theory and History of Art and Design:

- Students understand and comprehend Art & Design theory.
- Students are able to complete historical and conceptual analysis of social or medium specific case studies in art and design traditions.
- Students are knowledgeable of the historical progression of art, including the comprehension of art and design as a cultural system.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

2. Professional Art and Design Practice:

- Students are able to apply design fundamental to making of art as vehicle for self expression, as well as for professional results.
- Students are proficient in the practical application of art and design skills, as well as in professional practice.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

3. Critical Thinking:

- Students are able to define and analyze a problem, as well as evaluate and judge potential solutions.
- Students can develop a project and defend

the outcome to an informed audience.

- Students understand the criteria for critical discussion of the arts and the relationship to the creative process.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

4. Visual Literacy:

- Students can demonstrate the formulation of complex visual and spatial problems as well as responsive development of innovative solutions.
- Students are able to engage in analysis and interpretation of visual culture.
- Students possess an understanding of design principles: color, line, mass, balance, symmetry, perspective, form, shape, space, volume, value, and visual hierarchy.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

5. Information Technology:

- Students can demonstrate proficiency in the use of a number of technologies.
- Students display an integrated approach utilizing multiple technologies in their professional portfolio in an ethical manner.
- Students understand the limitations of technology by choosing appropriate media for art & design problems and projects.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

6. Teamwork and Leadership:

- Students cooperate among group members while assuming responsibility for self and group outcomes.
- Students offer creative and constructive input to the group and accept similar feedback.
- Students consider multiple perspectives of others prior to pursuing a stated goal.

(Level 7 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)

Degree Requirements

Required Credit Hours: 120 hours

General Education	28 CHs
Program Required Courses	80 CHs
Electives	9 CHs

General Education Courses		28 CHs
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3
ICB103	Applied Algorithmic Thinking	4
IDS102	Applied Creative and Critical Thinking	4
IDS101	Critique and Communication	4

IAH244	Ethical Systems, Moral Dilemmas	4
IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1

Program Required courses		83 CHs
ART121	Fundamentals of Art & Design Studies	3
ART220	Introduction to Art History	3
ART201	Principles of Design	3
ART251	Basic Design	3
CIT210	Essentials of IT and Infrastructure	3
COM210	Introduction to Media Storytelling	3
SWE225	Introduction to Programming and Problem Solving	3
AGD351	Graphic Design I	3
COM212	Digital Storytelling	3
AAD376	Animation I	3
ARM240	Media Storytelling in Arabic I	3
COM240	Media Law and Ethics	3
AAD375	Fundamentals of Digital 3D	3
IMT345	Multimedia Systems	3
MPS380	Web Production	3
IMT375	Human Computer Interaction	3
AAH322	History of Islamic Art and Architecture	3
MPS321	Video Production	3
IMT376	Game Design, Prototyping and Programming	3
ISC383	Introduction to Social Media	3
ARM340	Media Storytelling in Arabic II	3
ADR321	Material Culture of the United Arab Emirates	3
ART209	CAD Lab	2
SWE371	Mobile Computing	3
AAD377	Animation II	3
NET255	Networks and Telecommunications	3
MPS382	Multimedia Production	3

CIT490 or ART490 or COM490	Internship Internship Internship	3
ART History Electives <i>Student picks course from below list</i>		3 CHs
AAH324	Contemporary Islamic Art and Architecture	3
AAH325	History of Design	3
AAH326	Representation: Exhibition, Display and Interpretation I	3
AAH327	Representation: Exhibition, Display and Interpretation II	3
AAH420	Communities, Curatorial Practices, and Collections	3
AAH422	Contemporary Art Theory	3
AAH425	History of Graphic Design	3
AAH430	Curatorial Practices	3

Program Electives		6 CHs
<i>Student picks courses from the list</i>		
AVA310	Drawing I	3
AVA345	Digital Video I	3
AID477	Advanced Modeling, Lighting and Rendering	3
AGD314	Illustration and Visual Narrative	3
AAH427	History of Animation	3
TCC237	Interpersonal & Intercultural Communication	3
ISC357	Creative Advertising	3
MPS220	Visual Storytelling	3
MPS421	Advanced Media Production	3
MPS481	Zajel Student Media Production	3
SWE245	Web Development	3
IMT340	Computer Graphics	3
CIT372	Cloud Computing	3

Zayed University
College of Arts and Creative Enterprises
Bachelor of Science in Multimedia Design

(Joint with College of Communication and Media Sciences and College of Technological Innovation)
(Recommended Sequence)

	Semester 1			Credits	Semester 2			Credits
	Year 1	ICB101	Strategic Learning and Growth		4	IDS101	Critique and Communication	
ICB102		Expressive Clarity	3	IAH244	Ethical Systems, Moral Dilemmas	4		
ICB103		Applied Algorithmic Thinking	4	IAR110 or	Arabic Lab 1 (N): Speaking to Engage & Persuade	3		
IDS102		Applied Creative and Critical Thinking	4	IAR111	Arabic Lab 1 (NN): Arabic Language & Culture for Beginners			
				ART121	Fundamentals of Art & Design Studies	3		
				ART220	Introduction to Art History	3		
			Total	15		Total	15	
Year 2	Semester 3			Semester 4				
	ART201	Principles of Design	3	SWE225	Introduction to Programming and Problem Solving	3		
	ART251	Basic Design	3	AGD351	Graphic Design I	3		
	IDS220	Fundamentals of Innovation and Entrepreneurship	3	COM212	Digital Storytelling	3		
	CIT210	Essentials of IT and Infrastructure	3	AAD376	Animation I	3		
	COM210	Introduction to Media Storytelling	3	ARM240	Media Storytelling in Arabic I	3		
			Total	15		Total	15	
Year 3	Semester 5			Semester 6				
	COM240	Media Law and Ethics	3	AAH322	History of Islamic Art and Architecture	3		
	AAD375	Fundamentals of Digital 3D	3	MPS321	Video Production	3		
	IMT345	Multimedia Systems	3	IMT376	Game Design, Prototyping and Programming	3		
	MPS380	Web Production	3	Elective	Program Elective	3		
	IMT375	Human Computer Interaction	3	IAR210 or	Arabic Lab 2 (N): Writing to Inform	1		
				IAR211	Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency			
			ISC383	Introduction to Social Media	3			
		Total	15		Total	16		
Year 4	Semester 7			Semester 8				
	ADR321	Material Culture of the United Arab Emirates	3	MPS382	Multimedia Production	3		
	ARM340	Media Storytelling in Arabic II	3	Elective	Program Elective	3		
	SWE371	Mobile Computing	3	Elective	ART History Electives	3		
	AAD377	Animation II	3	ART209	CAD Lab	2		
	NET255	Networks and Telecommunications	3					
		Total	15		Total	11		
Year 5	Semester 9							
	CIT490 or ART490 or COM490	Internship	3					
		Total	3					

Total = 120 Credit Hours

College of Business

Departments:

- Accounting
- Finance
- Management
- Marketing

Degrees

- Master of Science in Finance

Mission

We prepare responsible future leaders for the knowledge-based economy through:

- An agile curriculum using innovative educational technologies, that provide transformative learning experiences.
- High caliber diverse faculty producing impactful research and scholarship, that advances business and management knowledge.
- Purposeful engagement with community stakeholders to create shared value.

Faculty Listings

Associate Dean: Ahmed Abdul-Maksoud

Accounting Department

Chair: Yezen Kannan

Abiot Tessema, Amr Kotb, Ernest Gyapong, Heba Abouelsood, Karim Hegazy, Mariem Khalifa, Mohammed Sualihu, Muhammad Hassan, Perla Mardini, Peter Agyemang-Mintah, Yasir Saleh, Zayyad Abdul-Baki.

Finance Department

Chair: Aristiedis Samitas

Assistant Chair: Umar Butt

Ghulam Mian, Ghulame Rubbaniy, Ibrahim Bostan, Jose Maria Gomez, Mehreen Mookerjee, Mohammad Rahman, Moo Sung Kim, Nagham Sayour, Perihan Iren, Rwan ElKhatib, Shereen Bacheer, Syriopoulos Konstantinos, Zaghum Umar.

Management Department

Chair: Suzan Alaswad

Assistant Chair: Tim Rogmans

Abdelrahman Alhadarim, Alejandro Sposato, Alexandra Henderson, Amna AlBedwawi, Anestis Fotiadis, Balqees Ahmed, Christina Nizamidou, Graham Manville, Jin Park, Khadija Abdulrahman, Laura Matherly, Maqsood Memon, Maytha AlAli, Mohamed Alblooshi, Muhannad Alalawi, Natasa Slak Valek, Reynold James, Scott L. Martin, Stijn Decoster, Susan Zeidan, Taiba Hussain, Yi Zhang,

Younes Hamdouch.

Marketing Department

Chair: Brendan Galbraith

Claire Sherman, Damien Arthur, Fathima Saleem, Ian Michael, Jamel Khenfer, Lynda Taieb, Muhammad Farooq, Park Beede, Wafa AlWahedi, Wasseem Abaza.

Master of Science in Finance

The Master of Science in Finance equips participants with in-depth knowledge of the functions of finance. The program is designed to prepare ambitious recent graduates for successful management positions in banking, investment and asset management or a finance function in other non-financial corporations.

Specific objectives of the master's degree program are to instruct participants how to use the functions of finance to create and maximize value in commercial companies and societies; to equip participants with current knowledge and techniques required for undertaking the functions of finance with effectiveness, efficiency, and professional standards; and, to develop and promote strategic financial management skills and capabilities for professional success.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate and apply advanced skills and recent developments, including modern portfolio theory, with regard to capital allocation decisions and the evaluation of the financial performance of financial and non-financial corporations and investment portfolios.
(Level 9 of QFE: Knowledge)
2. Describe the functioning of international financial markets and the role these markets play in the performance of an economy, and recognize the major external factors that affect international financial markets (e.g., consumer preferences, economic factors, legislation, etc.) as well as the importance of efficient and transparent markets.
(Level 9 of QFE: Knowledge, Skill)
3. Use specialized knowledge of the use, pricing, valuation and structuring of financial products, including debt, currency and equity derivatives, and Islamic Finance.
(Level 9 of QFE: Skill)
4. Identify and resolve complex business problems through the application of financial management and acquired general business knowledge, including applicable recent

developments.

(Level 9 of QFE: Skill)

5. Design, plan and conduct applied research in a chosen area of finance specialization and document and defend the research results.
(Level 9 of QFE: Skill, Role in context)
6. Communicate effectively in writing and verbally, and use appropriate information technology to prepare and deliver professional-level presentations for management or clients.
(Level 9 of QFE: Skill)
7. Function with full autonomy and/or as a member of team across cultural, functional and/or organizational boundaries.
(Level 9 of QFE: Autonomy and responsibility, Role in context)
8. Demonstrate leadership and management skills at the individual, team and organizational level, including strategic performance and development.
(Level 9 of QFE: Autonomy and responsibility, Role in context)
9. Consistently recognize and sensitively manage ethical dilemmas in the workplace, leading to informed, fair and valid decisions.
(Level 9 of QFE: Self-development)
10. Describe the basic principles and application of corporate social responsibility.
(Level 9 of QFE: Self-development)

Program Faculty

Coordinator: Moo Sung Kim

Konstantinos Syriopoulos, Aristeidis Samitas, Francisco Lagos, Kerim Peren Arin, Zaghum Umar, Moo Sung Kim, Ghulame Rubbaniy, Ernest Gyapong, Jin Young Yang,
[Click here](#) for program faculty details.

Program Delivery

The program is delivered in English over 3 semesters at Zayed University located in Abu Dhabi and Dubai.

Admission Requirements

Applicants must have earned a four-year baccalaureate degree with a CGPA of 3.0 or higher from an accredited university and demonstrate sufficient English proficiency to manage a challenging, fast-paced graduate program.

Additional program-specific admission requirements include the following:

- An interview may be requested.

Degree Requirements

Required Credit Hours: 36 hours

Program Required Courses		33 CHs
FIN630	Corporate Finance	3
FIN631	International Finance and Banking	3
ACC632	Financial Statement Analysis and Business Ethical Standards	3
FIN633	Statistics and Quantitative Methods for Finance	3
FIN634	Fundamentals of Asset Valuation	3
FIN638	Islamic Finance Principles	3
FIN656	The Financial and Banking System	3
FIN657	Financial Institutions Management	3
ECN658	Monetary Policy	3
FIN659	Financial Markets	3
FIN690	Applied Research in Finance	3
Program Elective		3 CHs
ACC610	Accounting	3
HRM640	Human Resource Management	3
HRM663	Organizational Behavior and Leadership	3
MGT664	Global Business Strategy	3
ECN666	Managerial Economics	3
OPR667	Operations Management	3
BUS668	International Law and Business Ethics	3
MGT669	Cross Cultural Management	3
MKT680	Marketing Management	3
MGT660	Entrepreneurship	3
MGT664	Global Business Strategy	3
MGT620	Capstone Seminar in Global Business Strategy	3
INS649	Enterprise Systems Management	3

College of Communication and Media Sciences

Departments:

- Communication

Degrees:

- Master of Arts in Communication (Strategic Public Relations, Tourism and Cultural Communication)

Mission

To prepare bilingual leaders in communication and digital media to serve the United Arab Emirates (UAE), the Gulf region, and the global community. The College emphasizes through teaching and learning, research and creative scholarship, and community engagement:

- the important roles of media and communication in local and global cultures
- informational and technological literacies and language competencies in Arabic and English
- ethics, truth, accuracy, fairness, and diversity in communication

Faculty Listings

Dean: Dwight Brooks

Associate Dean: Ganga Dhanesh

Communication Department

Chair: Russell Williams

Assistant Chair: Nadia Rahman

Aamena Bulhoon, Ajlina Karamehic-Muratovic, Azmat Rasul, Azza Ahmed, Badran Badran, Danica Piper, Donghee Shin, Elsayed Darwish, Filareti Kotsi, Fokiya Akhtar, Ganga Sasidharan, Hamza Saad, Hilke Steenkamp, Hossam Hassan, Inka Stever, James D. Piecowye, Kang Li, Khaled Gaweesh, Kund Laszlo Florian, Kyung S. Lee, Mian Asim, Mohammad Alazaizeh, Mutaz Matar, Nadia Rahman, Nagwa Fahmy, Narae Kim, Paolo Mura, Richard Cawood, Ridwan Raji, Russell Williams, Stefan Sonvilla-Weiss, Suhaila Hassouneh, Timothy Wilkerson, Valerie Goby, Vlada Botoric, William McCarthy, William Smith II, Yulia Medvedeva, Zelal Wattar.

Master of Arts in Communication

Concentration in Tourism and Cultural Communication

In line with Zayed University's commitment to promote the continuing development and

prosperity of the United Arab Emirates, the College of Communication and Media Sciences offers a Master of Arts in Communication Concentration in Tourism and Cultural Communication program. This distinctive combination of communication and tourism capitalizes on proven graduate studies formulas at the best international institutions which offer communication and/or tourism degrees at the graduate level. The Master of Arts in Communication Concentration in Tourism and Cultural Communication program will equip participants to be future leaders in the tourism industry.

Concentration in Strategic Public Relations

The Master of Arts in Communication Concentration in Strategic Public Relations is designed for public relations and communications practitioners and professionals seeking to deepen and develop their knowledge and skills in strategic public relations, and for people not currently working in public relations who desire a career change. With a focus on applied theoretical approaches to practical challenges, the program will prepare graduates to become successful executives and leaders in the field of communications and public relations at the local and international levels.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Articulate a mastery of specialized knowledge in functional theories of communication.
(Level 9 of QFE: Knowledge)
2. Develop advanced skills to conduct research, evaluate information and formulate insights appropriate to the communication contexts in which they apply.
(Level 9 of QFE: Knowledge, Skill)
3. Apply professional knowledge in problem-solving that enables critical analysis, planning, implementation, and evaluation of comprehensive communication strategies.
(Level 9 of QFE: Knowledge, Skill)
4. Independently conceive and produce creative and innovative communications content suitable for a variety of audiences and in a variety of media forms.
(Level 9 of QFE: Skill, Autonomy and responsibility, Self-development)
5. Communicate complex information effectively and deliver professional presentations in written, verbal, digital and integrated formats.
(Level 9 of QFE: Skill, Role in context, Self-development)
6. Critically apply professional and ethical principles in pursuit and presentation of

accurate, fair and objective information.
(Level 9 of QFE: Autonomy and responsibility, Role in context, Self-development)

Program Faculty

Coordinator: Filareti Kotsi

Ajlina Karamehic- Muratovic, Asim Mian, Asim Mian, Azmat Rasul, Azza Ahmed, Don Shin, Elsayed Darwish, Fokiya Alhtar, Ganga Dhanesh, Hamza Saad, Hilke Steenkamp, Hossan Saad, Kang Li, Khaled Gaweesh, Kund Florian, Mohammad Alaizaizeh, Paolo Mura, Park Beede, Ridwan Raji, Russell Williams, Valerie Goby, William McCarthy, Yulia Medvedeva.

[Click here](#) for program faculty details.

Program Delivery

The programs are delivered in English over 3 semesters at Zayed University, located in Abu Dhabi and Dubai.

Admission Requirements

Applicants must have earned a four-year baccalaureate degree with a CGPA of 3.0 or higher from an accredited university, and demonstrate sufficient English proficiency to manage a challenging, fast-paced graduate program.

Additional program-specific admission requirements include the following:

- A 250-word essay in English using 12 pt. font stating how the graduate degree program would support career goals.
- An interview may be requested.

Degree Requirements

Required Credit Hours: 36 hours

Program Required Courses		21 CHs
COM601	Foundations of Communication Studies	3
COM602	Communication Research Methods	3
COM604	Cross Cultural Communication	3
COM606	Understanding Consumer Trends	3
COM607	Social and Digital Media Strategies	3
COM613	Corporate Social Responsibility and Ethics	3
COM623	Event and Festival Planning and Promotion	3

Concentration in Tourism and Cultural Communication		15 CHs
TCC621	Strategic Planning and Development	3

TCC622	Tourism Communication	3
TCC625	Tourism in the UAE and MENA Region	3
COM650	Applied Research Seminar	3
COM651	Capstone Research Project	3

Concentration in Strategic Public Relations		15 CHs
SPC612	Strategic Public Relations	3
SPC614	Internal Communications	3
SPC615	Crisis and Risk Management Communication	3
COM650	Applied Research Seminar	3
COM651	Capstone Research Project	3

College of Humanities and Social Sciences

Departments

- International Affairs and Social Sciences
- Arabic, Islamic and Legal Studies
- Language Studies
- Education

Degrees

- Master in Diplomacy and International Affairs
- Master of Legal and Judicial Studies

Mission

The College of Humanities and Social Sciences (CHSS) seeks to cultivate intellectually engaged and globally minded citizens who will contribute to the development and well-being of the nation and their local communities in the context of an ever changing and complex world.

Faculty Listings

Associate Dean: Ahmed Salem

International Affairs and Social Sciences Department

Chair: Hala Thabet

Assistant Chair: Gergana Alzeer

Adam Krzymowski, Ahmed Salem, Ahmed Salem, Ali Khalil, Andrea Chiovenda, Asma Obaid, Bashir AbulQaraya, Deirdre Mc Alister, Eric Staples, Frank Cibulka, Gergana Alzeer, Habibul H. Khondker, Hala Thabet, Hassanein Ali, Hayfa Abdul Jaber, Hisham Soliman, Ibrahim AlDarmaki, James Redman, Jeremy Smith, Justin Gibbins, Khaled AlMezaini, Ladan Affi, Leena Taneja, Magdalena Karolak, Marta Wiczorek, Mehraj Jahan, Mehrdad Mozayyan, Melissa Chiovenda, Michael Ogden, Mohamed Mahdi Ashour, Munther AlSabagh, Omnia Amin, Ornanong Husna Benbourenane, Riham Khafagy, Ryan Begley, Simona Cotofana, Suzanne Morrison, Tarak Abdallah, Tiffany Cone, Tilde Rosmer, Zeinab Ahmed.

Islamic World Studies Department

Chair: Amr Mohamed

Assistant Chair: Zakia Ahmad

Arabic, Islamic and Legal Studies Department

Chair: Amr Mohamed

Assistant Chair: Zakia Ahmad

Abdel Aaziz Baha, Abdulla Almheiri, Ahmad Aljanadbah, Ahmad AlZamel, Alyaa Albedwawi, Amal Bashib, Amjad Talafteh, Amr Mohamed, Ayesha AlKetbi, Chokri Mabkhout, Eiman Khaleel, Fady Tawkol, Fatima AlBlooshi, Hussain AlMansoori, Ibraheem Alhosani, Imad El Merzouk, Imam Attallah, Jamal Abdullah, Kaltham Almajid, Lalla Mariem Belghita, Lina AlKilani, Loay Badran, Majdi Ben Souf, Makiya ALHajri, Man Baker, Maryam AlMansoori, Mazin Hariri, Moath Alnaief, Mohamed Mihoub, Mohammad Odeh, Mohammad Uqab, Mohammed Salami, Nasser Alblooshi, Nayel AlOmran, Nizar Alseoudi, Rabah Maghraoui., Rania Hamwy, Rasha Badr, Rehab Al Kilani, Salah Darawsheh, Sana AlMajaidah, Sayed Shenawi, WalaaEldeenIbraheem, WalidBenSalah, ZakiaAhmad

Language Studies Department

Chair: Muhammad Qureshi

Assistant Chair: David Palfreyman

Alvaro Subero Saenz, Andrea Mayr, Andrea Mayr, Asif Qureshi, Brian Thornton, Catherine Nickerson, David Palfreyman, Glynda Stiner, Hulya Yagcioglu, Ileana Baird, James Lewelling, Jing Jing Qin, Kate Tindle, Khuloud AlHammadi, Larysa Nikolayeva, Lisa Isaacson, Mark French, Minoo Asdjodi, Nadine Jaafarawi, Natalya Rietmuller, Omar Ahermouch, Paul Gerard Carroll, Peter Davidson, Raida Ishak, Robyn Elizabeth Albers, Sally-Ann Long-Duffy, Sana Shamaileh, Sarah Hopkyns, Shokha Yusef, Simon Burfoot, Vasiliki Kotini.

Education Department

Chair: Bashir Abu-Hamour

Adam Jeffers, Afrah Alsharafi, Afrah Alsharafi, Alanood Alshamsi, Ameera Almessabi, Bashir Abu-Hamour, Emily Winchip, Fatma AlMuhsen, Frederico Conde, Laila Mohebi, Lani San Antonio, Lavious Daniels, Majed Harb, Mariam AlHammadi, Muna AlHammadi, Reem AlDhaheri, Sadiq Midraj, Samah Al Asmar.

Master in Diplomacy and International Affairs

Zayed University educates and trains the future generation of diplomats from the United Arab Emirates, as well as professionals from around the world, for successful careers in diplomacy and international affairs.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Political and Economic Knowledge:

demonstrate a detailed understanding of advanced political, economic, and historical concepts, a strong ability to connect these various disciplines together when explaining local and international events, and advanced skills when evaluating current international affairs and state relations.

(Level 9 of QFE: Knowledge)

2. Research and Communication Capacity:

show an advanced ability to investigate, assess and use data from multiple sources using information technology tools, a solid proficiency in qualitative research methods when executing high-quality projects whether independently or as part of a team, highly-developed problem-solving skills when evaluating complex concepts and information, and a strong ability to present and explain findings to a wider audience.

(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility)

3. Global Awareness:

assess and critique the various political, economic, historical and social forces affecting events in various areas of the world, analyze the many socio- cultural norms shaping the international system, and appraise complex ethical issues happening in different contexts to form educated and informed opinions.

(Level 9 of QFE: Knowledge, Autonomy and responsibility)

4. Public Diplomacy:

apply complex tools of public diplomacy in the conduct of foreign relations and demonstrate responsibility and autonomy when initiating and undertaking diplomatic and professional exercises in the classroom and at the workplace.

(Level 9 of QFE: Skill, Autonomy and responsibility, Role in context, Self-development)

5. Global-Local Relations:

analyze the role of the United Arab Emirates (UAE) in international affairs, evaluate the complex political, administrative, and legal structure of the state, and produce, in a responsible and autonomous way, further approaches, strategies and practices to the understanding of the UAE’s contributions to the international political and economic system.

(Level 9 of QFE: Knowledge, Skill)

Program Faculty

Coordinator: Bashir AbulQaraya

Adam Krzymowski, Ahmed Salem, Frank Cibulka, Hamdy Hassan Attalla, Ibrahim Souss, Khaled Al Mezaini, Mehrdad Mozayyan, Michael A. Innes, Mohamed Ashour, Ornanong Husna Benbourenane, WalaaEldeen Ibraheem, Yolanda Spies.

[Click here](#) for program faculty details.

Program Delivery

The program is delivered in English over 3 semesters at Zayed University located in Abu Dhabi and Dubai.

Admission Requirements

Applicants must have earned a four-year baccalaureate degree with a CGPA of 3.0 or higher from an accredited university and demonstrate sufficient English proficiency to manage a challenging, fast-paced graduate program.

Additional program-specific admission requirements include the following:

- A writing sample in English. Limit the writing sample to five print pages in 12 pt. font.
- An interview may be requested.

Degree Requirements

Required Credit Hours: 30 hours

Program Required Courses		24 CHs
POL623	International Relations	3
POL633	Diplomatic History: the Shaping of Contemporary International Affairs	3
POL643	International Political Economy	3
POL653	Public Diplomacy	3
LAW663	The United Arab Emirates: Political and Administrative Structure	3
POL673	International Relations of the UAE	3
POL683	Politics of Oil	3
POL693	Security Studies	3

Area Studies Courses		6 CHs
Two courses with an Area Studies focus which are based on the needs of each individual class		
POL614	The Middle East	3
POL615	Africa	3
POL616	East Asia	3
POL617	Latin America	3
POL618	Modern Turkey	3

Master of Legal and Judicial Studies

The program aims to enable students to study in-depth the theoretical and practical legal and judicial issues of law that have not been covered at the undergraduate level, and to provide students with a set of basic skills to practice legal and judicial work across various disciplines within the social and cultural context of UAE society. The Program represents the vital field in which legal practitioners, judges, prosecutors, and lawyers, carry out their work and perform their mission.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Analyze the new issues in legal studies to form an appropriate legal opinion.
(Level 9 of QFE: Knowledge)
2. Evaluate judicial procedures efficiently and effectively through proper implementation of laws.
(Level 9 of QFE: Skill, Autonomy and responsibility, Role in context)
3. Clarify evidence and proofs by applying the principles of justice and fairness.
(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility, Self-development)
4. Understand the legal issues and their evidence as presented, to justify and put appropriate reasons to verdicts, in compliance with the provisions and the spirit of the law.
(Level 9 of QFE: Knowledge, Skill, Self-development)
5. Explain legal provisions and codes of honor related to ethical practice, regardless of personal stands.
(Level 9 of QFE: Autonomy and responsibility, Self-development)
6. Analyze correctly and independently the challenges that may affect the justice's process.
(Level 9 of QFE: Autonomy and responsibility)
7. Suggest proper solutions to practical cases.
(Level 9 of QFE: Knowledge, Autonomy and responsibility, Role in context)

Program Faculty

Coordinator: Walaaeldeen Ibraheem

Emam Attallah, Amr Taha, Walaaeldeen Ibraheem, Nayel Al-Omran, Walid Bin Salah, Fady Tawkol, Jamal Abdullah.

[Click here](#) for program faculty details.

Program Delivery

The program is delivered in Arabic over 4 semesters at Zayed University located in Abu Dhabi and Dubai.

Admission Requirements

- An earned baccalaureate degree in a discipline considered appropriate to the graduate program from an accredited university recognized by the UAE Ministry of Education with a cumulative graduate point average (CGPA) of 3.0 or higher on a 4.0 point scale or equivalent in one of the following areas:
 - Law, or
 - Sharia and Law, or
 - Police and Law Firm License ("Lawyer License").
- English language proficiency.

Additional program-specific admission requirements include the following:

- Arabic language proficiency.

Degree Requirements

Required Credit Hours: 38 hours

Program Required Courses		32 CHs
LAW602	Studies in Civil Law	2
LAW603	Studies in Penal Law	2
LAW611	Studies in Criminal Procedure Law	3
LAW612	Studies in Civil Procedures Law	3
LAW620	Evidence and Expert Role in Judicial Actions	2
LAW604	Studies in Commercial Law	2
LAW606	English for Legal Purposes	2
LAW624	Alternative Disputes Resolutions	2
LAW621	Legal Research Methodology	2
LAW640	Legal & Judicial Writing	2
LAW607	English Legal Studies	2
LAW613	Studies in Personal Status Law	2
LAW699	Master Thesis in Legal & Judicial Studies	6

Elective 1		2 CHs
<i>Student will pick one course</i>		
LAW601	Legal Sociology	2
LAW605	Studies in Administrative Law	2
LAW608	Studies in International Humanitarian Law	2

Elective 2		2 CHs
<i>Student will pick one course</i>		
LAW623	Economics of Justice	2
LAW626	Advanced Studies in Financial and Tax Laws	2
LAW627	Studies on Labor Disputes	2

Elective 3		2 CHs
<i>Student will pick one course</i>		
LAW610	Ethics of Judiciary and Lawyers	2
LAW622	Cases Analysis for Judicial Decision Making	2
LAW625	Legal Reasoning and Argument Persuasion	2
LAW641	Legal Skills	2

College of Interdisciplinary Studies

Degrees

- **Bachelor of Science in Business Transformation**
 - Specialization in Finance
 - Specialization in Accounting
 - Concentration in Operations Management
 - Concentration in Growth Strategy & Management
 - Concentration in Entrepreneurship & Innovation
- **Bachelor of Science in Computational Systems**
 - Concentration in Applied Data Science
 - Concentration in Machine Intelligence
 - Concentration in Digital Security
- **Bachelor of Science in Social Innovation**
 - Specialization in Communication & Media
 - Specialization in Psychology
 - Concentration in Behavioral Economics
 - Concentration in Political & Economic Systems
 - Concentration in Societal Transformation
- **Bachelor of Science in Sustainability**
 - Concentration in Sustainable Enterprise
 - Concentration in Sustainable Policy
 - Concentration in Sustainable Environments

Note: The availability of all concentrations and specializations is subject to student enrollment.

Mission

The College of Interdisciplinary Studies prepares top students for professional leadership in the rapidly changing global environment, imparting seminal skills that can be transferred across contexts and applied in novel ways.

Vision

The pioneer in empowering emerging leaders to advance business innovation and societal transformation with interdisciplinary knowledge and applied skills.

Faculty Listings

Dean: Paul Hopkinson

Associate Dean: John Matthews

Aaina Menon, Afroditi Tsioufi, Afroditi Tsioufi, Afshan Parkar, Aimee Grange, Ajda Osifo, Alliya Anderson, Amir Kaviani, Amjad Abu ElSamen, Anke Reichenbach, Areej ElSayary, Ayeza Siddiqi, David

Sancho Barrera, Effrosyni Georgiadou, Efstathios Polyzos, Efthymia Efthymiou, Eleana Kafeza, Elena Nikolova, Emad Mahafzah, Erin Kinnally, Fatma Outay, Fatma Said, Feras Lafi, Georgios Tsakirakis, Guy Meredith, Hana Shahin, Harbinder Singh, Hemali Makhija, Herveen Singh, Jacklyn Gentile, Jaime Buchanan, Jamal Al-Karaki, James Morton, Jennifer Ryan, Jeremy Williams, Joshua Kolapo, Jotsna Rajan, Kaustuv Ganguli, Kerim Arin, Layal Youssef, Linda Smail, Maha Hadid, Mariam Hariri, Maryam Jawad, Mazna Patka, Michael Bowles, Mohammad Kuhail, Mona Bader, Mostafa Mohamad, Muhammad Taj, Natalya Sukhonos, Nicolina Kamenou, Nishara Nizamuddin, Ola Taji, Ons Al-Shamaileh, Pinar Ozdemir-Ayber, Rawia Ahmed, Rochelle Williams, Saifeddin Al-Imamy, Sajid Ali, Salam Khanji, Salwa Husain, Sandra Baroudi, Sarah Calderwood, Scott Swain, Serena Aoun, Stephanie Siam, Steven Kranz, Suha Karaki, Sujith Mathew, Sunitha Kannenchery, Suzanna El Massah, Vasilina AlKhalidi, Vladimir Dzenopoljac, Ximena Cordova, Zeina Hojeij, Zia Saunders, Zoe Hurley.

Bachelor of Science in Business Transformation

Private enterprise is one of the world's primary drivers of wealth, employment, technological advances, and social progress. Effective business leaders and entrepreneurs need an understanding of corporate and market dynamics that drive growth and competition, the strategy and mechanics of business innovation, and managing operational complexity involved with turning a local success into a global enterprise, or taking a new idea from proposal to profitability. The Business Transformation program teaches students the principles and practice of organizational leadership and prepares them for innovation in top global organizations. It will support the critical needs of the business sector by preparing graduates ready to embark upon careers such as Entrepreneur, Strategy Consultant, Investment Banker, Product Manager, Venture Analyst, Growth Manager, and Operations Manager.

In the Business Transformation program students will take courses that provide in-depth disciplinary knowledge and skills, as well as electives from courses offered in other programs. In addition, students will complete an internship and an independent Capstone project.

Program Goals

- Provide our students with in-depth disciplinary knowledge and skills they need to understand corporate and market dynamics that drive

growth and competition.

- Teach students the principles and practice of organizational leadership and prepare them for innovation in top global organizations.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. **Evidence in Management:** Employ market research, data analyses, and structured decision making tools to implement evidence based management practices.
(Level 7 of QFE: Knowledge, Skills)
2. **Strategy and Growth:** Explain how marketing, finance, and operations work together to drive strategy formation and business growth while addressing collective social problems.
(Level 7 of QFE: Knowledge, Skills)
3. **Organizational Dynamics:** Analyze group dynamics and engage in effective organizational collaboration.
(Level 7 of QFE: Autonomy and responsibility, Role in context)
4. **Design Thinking:** Cultivate new business ideas using ideation and design thinking methodologies.
(Level 7 of QFE: Skills, Autonomy and responsibility)
5. **Cross-cultural Business:** Apply business concepts and methodologies in diverse socio-cultural contexts.
(Level 7 of QFE: Autonomy and responsibility)
6. **Communication and Teamwork:** Effectively communicate with technical and non-technical audiences, and solve problems collaboratively.
(Level 7 of QFE: Skills, Autonomy and responsibility, Role in context, Self-development)

Specialization in Finance

The Finance specialization prepares students in three areas:

Corporate finance: Students focus on tools and techniques for valuing productive assets, choosing ways of funding them and gauging financial success. The focus is on aligning corporate strategy and financial decisions, and enhancing firm value through judicious financial decisions.

Investments: Students understand the nature and dynamics of financial markets, including the stock, bond and derivatives markets. They learn how to invest in these markets to enhance returns and reduce risk.

Islamic Banking and Finance: Students learn about basic Islamic principles of finance and contracting. They learn about how modern-day Islamic banks, insurance companies and money management firms are modifying and customizing their traditional practice to conform to Sharia principles. These unique insights prepare them for a career in the growing Islamic Finance industry.

Specialization Learning Outcomes

1. **Financial Problem Solving and Decision Making:** Evaluate complex business problems and provide solutions through the application of financial management.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)
2. **Advanced Financial and Investment Analysis:** Analyze the operation of security markets, determine the value of financial securities, and design efficient portfolios.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)
3. **Global Financial Transformation:** Analyze and assess how recent trends and developments in the global financial markets and institutions influence financial practices and learn how to invest in these globally transformed markets to enhance returns and manage risks.
(Level 7 of QFE: Knowledge, Skills, Role in context, Self-development)

Specialization in Accounting

The Accounting specialization prepares students to assume professional roles as business leaders with the ability to organize, analyze, manage and report on the financial results of business transactions and make informed business decisions. Students are exposed to the broad areas of financial accounting, costing, strategic management accounting, auditing, data analytics and accounting systems, taxation, and accounting for government and the oil and gas industry. They become conversant with international accounting standards and tools, and acquire the analytical skills necessary for entry-level accounting positions in industry and government. The coursework within the specialization also helps prepare students for professional certification programs such as ACCA, CPA and others.

Specialization Learning Outcomes

1. **Professional knowledge:** Evaluate and differentiate basic and advanced accounting concepts and theories, and professional accounting standards.
(Level 7 of QFE: Knowledge)
2. **Practical inference:** Identify new problems related to the accounting discipline and create innovative solutions.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)
3. **Organizational sustainability:** Evaluate the short- and long-term consequences of accounting decisions and strategically analyze accounting and technological changes at both local and global levels.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)

Concentration in Operations Management

The concentration in Operations Management equips students with advanced modeling tools and forward-thinking strategies to manage and improve business processes to achieve competitive advantage with respect to quality, responsiveness, pricing, and product design. The concentration provides students with the analytical methods to optimize key decisions in designing global supply chain, inventory, and scheduling policies and manage these activities in various industry verticals.

Concentration Learning Outcomes

- Competitive Advantage:** Create competitive advantage using operations management principles while considering cost-benefit trade-offs, environmental factors, business potential, and scalability.
(Level 7 of QFE: Knowledge)
- Decision making:** Apply a variety of decision-support tools to obtain operations management insights and solve business problems.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)

Concentration in Growth Strategy & Management

The Growth Strategy and Management concentration prepares students to become change-makers who build and transform organizations. The students will be equipped with a toolkit that will allow them to critically analyze and utilize the internal resources and the external environment. They will be able to identify those situations when organizational change is needed and then use their leadership and management skills to effectively forge new paths for the organization.

Concentration Learning Outcomes

- Leading for change:** Evaluate how diverse groups of internal and external stakeholders can be motivated and influenced to adapt to changing competitive conditions in order to achieve growth.
(Level 7 of QFE: Knowledge, Skills)
- Practical management skills:** Develop an organizational vision, formulate strategies, and design an organizational system that effectively utilizes resources.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)

Concentration in Entrepreneurship & Innovation

The Entrepreneurship and Innovation concentration prepares students to develop innovative business ideas and commercialize them. Students will learn about identifying and creating opportunities based on market conditions and personal passions and then how to capitalize on these opportunities through proper business planning. This process will be facilitated through the development of an innovative mindset to provide students with the cognitive adaptability and resilience to prepare them for the entrepreneurial journey.

Concentration Learning Outcomes

- Practical Development:** Integrate the principles of entrepreneurship and innovation into the design and implementation of a start-up strategy.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)
- Create Value:** Evaluate a product's value proposition and summarize this information for stakeholders.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)

Degree Requirements

Required Credit Hours: 120 hours

General Education	40 CHs
Program Required Courses	30 CHs
Internship and Capstone Project	14 CHs
Specialization courses	36 CHs
or	
Concentration Courses and	24 CHs
Electives from other programs	12 CHs

General Education		40 CHs
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3
IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
ICB103	Applied Algorithmic Thinking	4
IDS101	Critique and Communication	4
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
IDS102	Applied Creative and Critical Thinking	4
IDS103	Statistical Intuitions & Applications	4

IDS204	Deriving Insights from Evidence	4
IDS105	Systems and Society	4
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAH244	Ethical Systems, Moral Dilemmas	4

Program Required Courses		44 CHs
IBS210	Market Dynamics and Product Analytics	4
IBS211	Financial Planning, Budgeting and Modeling	4
IBS212	Doing Business	4
IBS213	Enterprise, Design, and Optimization	4
IBS214	Economics	3
IBS310	Decision Support Models and Technologies	4
IBS410	Corporate Business Law & Ethics	4
IBS411	Negotiation and conflict management	3
IDS391	Capstone Seminar I	3
IDS493	Capstone Project I	4
IDS494	Capstone Project II	4
IBS490	Internship	3

Specialization in Finance courses		36 CHs
IBS345	Venture Initiation and Valuation	4
IBS321	Equity, Fixed Income, and Alternative Investments	4
IBS322	Banking & Financial Institutions	3
IBS323	Corporate Issuers	4
IBS324	Portfolio Management and Wealth Planning	4
IBS325	International Financial and Risk Management	4
IBS326	Financial Statement Analysis	4
IBS327	Islamic Banking and Finance	3
IBS328	FinTech Innovations	3
IBS329	Green and Sustainable Finance	3

Specialization in Accounting courses		36 CHs
IBS301	Business Financial Statements and Accounting Standards	3
IBS302	Management Accounting for Business Decisions	4
IBS303	Financial Reporting	4
IBS304	Information Technology, Data Analytics and Accounting Systems	4
IBS401	Advanced Accounting	4

IBS402	Costing	4
IBS403	Auditing	4
IBS404	Corporate Taxation	3
IBS406	Strategic Management Accounting	3
IBS405	Accounting for Government, Oil and Gas, and Not-for-Profit Organizations	3

Concentration in Operations Management courses		24 CHs
IBS346	Business Operations	4
IBS356	Business Systems	4
IBS340	Business Analytics	3
IBS466	Business Optimization	4
IBS348	Business Processes	3
IBS445	Advanced Operations Management	3
IBS446	Managing Global Supply Chains	3

Concentration in Growth Strategy & Management courses		24 CHs
IBS365	Market & Competitive Analysis	3
IBS356	Business Systems	4
IBS454	Strategic Brand Leadership	4
IBS361	Leading and Transforming Organizations	3
IBS455	Capital Allocation and Value Creating Growth	4
IBS364	Mergers, Acquisitions & Alliances	3
IBS461	The Future of Work	3

Concentration in Entrepreneurship & Innovation courses		24 CHs
IBS344	Needs Identification and Product Development	4
IBS454	Strategic Brand Leadership	4
IBS380	Digital Visibility	4
IBS381	Positive Organizational Development	4
IBS480	Customer Journey Management	4
IBS485	Venture Creation	4

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Business Transformation
Specialization in Finance
(Recommended Sequence)

	Semester 1			Semester 2		
			Credits			Credits
Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications	4
	ICB102	Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform	1
	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade	1	IDS103	Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	
		Arabic Lab 1 (NN): Arabic Language & Culture for Beginners				Statistical Intuitions and Applications
	ICB103	Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
	IDS102	Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
			Total	16		Total
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	IBS210	Market Dynamics and Product Analytics	4	IBS212	Doing Business	4
	IBS211	Financial Planning, Budgeting and Modeling	4	IBS213	Enterprise, Design, and Optimization	4
	IBS214	Economics	3	IBS345	Venture Initiation and Valuation	4
		Total	15		Total	16
Year 3	Semester 5			Semester 6		
	IBS310	Decision Support Models and Technologies	4	IDS391	Capstone Seminar I	3
	IBS321	Equity, Fixed Income, and Alternative Investments	4	IBS324	Portfolio Management and Wealth Planning	4
	IBS322	Banking & Financial Institutions	3	IBS325	International Financial and Risk Management	4
	IBS323	Corporate Issuers	4	IBS326	Financial Statement Analysis	4
		Total	15		Total	15
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	IBS490	Internship	3
	IBS327	Islamic Banking and Finance	3	IDS494	Capstone Project II	4
	IBS328	FinTech Innovations	3	IBS411	Negotiation and conflict management	3
	IBS410	Corporate Business Law & Ethics	4	IBS329	Green and Sustainable Finance	3
		Total	14		Total	13

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Business Transformation
Specialization in Accounting
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
	Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications
ICB102		Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
IAR110 or IAR111		Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4
ICB103		Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
IDS102		Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
			Total	16		Total
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	IBS210	Market Dynamics and Product Analytics	4	IBS212	Doing Business	4
	IBS211	Financial Planning, Budgeting and Modeling	4	IBS213	Enterprise, Design, and Optimization	4
	IBS214	Economics	3	IBS301	Business Financial Statements and Accounting Standards	3
		Total	15		Total	15
Year 3	Semester 5			Semester 6		
	IBS310	Decision Support Models and Technologies	4	IDS391	Capstone Seminar I	3
	IBS302	Management Accounting for Business Decisions	4	IBS401	Advanced Accounting	4
	IBS303	Financial Reporting	4	IBS402	Costing	4
	IBS304	Information Technology, Data Analytics and Accounting Systems	4	IBS403	Auditing	4
		Total	16		Total	15
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	IBS490	Internship	3
	IBS404	Corporate Taxation	3	IDS494	Capstone Project II	4
	IBS406	Strategic Management Accounting	3	IBS411	Negotiation and conflict management	3
	IBS410	Corporate Business Law & Ethics	4	IBS405	Accounting for Government, Oil and Gas, and Not-for-Profit Organizations	3
		Total	14		Total	13

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Business Transformation
Concentration in Operations Management
(Recommended Sequence)

	Semester 1			Semester 2		
			Credits			Credits
Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications	4
	ICB102	Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4
	ICB103	Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
	IDS102	Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
			Total	16		Total
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	IBS210	Market Dynamics and Product Analytics	4	IBS212	Doing Business	4
	IBS211	Financial Planning, Budgeting and Modeling	4	IBS213	Enterprise, Design, and Optimization	4
	IBS214	Economics	3	Elective	Elective from other programs	3
		Total	15		Total	15
Year 3	Semester 5			Semester 6		
	IBS310	Decision Support Models and Technologies	4	IDS391	Capstone Seminar I	3
	IBS346	Business Operations	4	IBS340	Business Analytics	3
	IBS356	Business Systems	4	IBS466	Business Optimization	4
	Elective	Elective from other programs	3	IBS348	Business Processes	3
				Elective	Elective from other programs	3
		Total	15		Total	16
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	IBS490	Internship	3
	IBS445	Advanced Operations Management	3	IDS494	Capstone Project II	4
	Elective	Elective from other programs	3	IBS411	Negotiation and conflict management	3
	IBS410	Corporate Business Law & Ethics	4	IBS446	Managing Global Supply Chains	3
		Total	14		Total	13

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Business Transformation
Concentration in Growth Strategy & Management
(Recommended Sequence)

	Semester 1			Semester 2		
			Credits			Credits
Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications	4
	ICB102	Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4
	ICB103	Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
	IDS102	Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
			Total	16		Total
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	IBS210	Market Dynamics and Product Analytics	4	IBS212	Doing Business	4
	IBS211	Financial Planning, Budgeting and Modeling	4	IBS213	Enterprise, Design, and Optimization	4
	IBS214	Economics	3	Elective	Elective from other programs	3
		Total	15		Total	15
Year 3	Semester 5			Semester 6		
	IBS310	Decision Support Models and Technologies	4	IDS391	Capstone Seminar I	3
	IBS365	Market & Competitive Analysis	3	IBS454	Strategic Brand Leadership	4
	IBS356	Business Systems	4	IBS361	Leading and Transforming Organizations	3
	Elective	Elective from other programs	3	IBS455	Capital Allocation and Value Creating Growth	4
				Elective	Elective from other programs	3
		Total	14		Total	17
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	IBS490	Internship	3
	IBS364	Mergers, Acquisitions & Alliances	3	IDS494	Capstone Project II	4
	Elective	Elective from other programs	3	IBS411	Negotiation and conflict management	3
	IBS410	Corporate Business Law & Ethics	4	IBS461	The Future of Work	3
		Total	14		Total	13

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Business Transformation
Concentration in Entrepreneurship & Innovation
(Recommended Sequence)

	Semester 1			Semester 2		
			Credits			Credits
Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications	4
	ICB102	Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4
	ICB103	Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
	IDS102	Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
			Total	16		Total
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	IBS210	Market Dynamics and Product Analytics	4	IBS212	Doing Business	4
	IBS211	Financial Planning, Budgeting and Modeling	4	IBS213	Enterprise, Design, and Optimization	4
	IBS214	Economics	3	Elective	Elective from other programs	3
		Total	15		Total	15
Year 3	Semester 5			Semester 6		
	IBS310	Decision Support Models and Technologies	4	IDS391	Capstone Seminar I	3
	IBS344	Needs Identification and Product Development	4	IBS380	Digital Visibility	4
	IBS454	Strategic Brand Leadership	4	IBS381	Positive Organizational Development	4
	Elective	Elective from other programs	3	Elective	Elective from other programs	3
		Total	15		Total	14
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	IBS490	Internship	3
	IBS480	Customer Journey Management	4	IDS494	Capstone Project II	4
	Elective	Elective from other programs	3	IBS411	Negotiation and conflict management	3
	IBS410	Corporate Business Law & Ethics	4	IBS485	Venture Creation	4
		Total	15		Total	14

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Bachelor of Science in Computational Systems

Computational Systems provide the scientific foundations for making sense of natural, human-mediated, and social phenomena through analytics, computational methods, and modeling. In an age of ubiquitous - and often overwhelming - data, the ability to harness that data to reflect, reach out and make better decisions is increasingly crucial. The Computational Systems program prepares students for the future of technological innovation and life in the information age. Students use logic and data analysis to make informed decisions and solve complex problems. Students will employ the techniques of artificial intelligence, machine learning, and software engineering in the service of innovation, data-driven decision making, and technological innovation. It will support the critical needs of the technology sector by preparing graduates ready to embark upon careers such as Data Scientist, Data Analyst, Big Data Developer, Business Intelligence Developer, AI Developer, Intelligence Analyst, AI Research Scientist, Data Security Analysts, Blockchain Engineer, Incident Analyst.

In the Computational Systems program, students will take courses that provide in-depth disciplinary knowledge and skills, as well as electives from courses offered in other programs. In addition, they will complete an internship and an independent Capstone project.

Program Goals

To provide organizations with computational systems professionals skilled in cutting edge technologies in machine intelligence, applied data science, and digital security, enabling them to deliver competitive products that leverage artificial intelligence to meet customers' needs, data science for decision making support, and security to protect the society in the digital age.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- 1. Computational Solutions:** Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility)
- 2. Computational Design:** Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
(Level 7 of QFE: Skills, Autonomy and responsibility)
- 3. Communication:** Communicate effectively in a variety of professional contexts.
(Level 7 of QFE: Skills, Autonomy and responsibility, Role

in context)

- 4. Professional Practice:** Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
(Level 7 of QFE: Self-development)
- 5. Working in Teams:** Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
(Level 7 of QFE: Role in context, Self-development)

Concentration in Applied Data Science

This concentration will focus on the scientific methods, processes, algorithms and systems to extract knowledge and insights from structured and unstructured data, in addition to systems architectures and implementations for handling large scale data intensive environments.

Students will acquire the skills necessary to analyze, interpret, and exploit large amounts of data. Through the lenses of statistics, machine learning, and stochastic modeling, students learn how to draw strong inferences about the world around us. Concentration Learning Outcomes

1. Construct analytical models for processing raw data into knowledge, discovering business insights, and creating value using descriptive, predictive, and prescriptive analytics.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility)
2. Deploy data-driven solutions to real-world environments and understand their ethical and social implications.
(Level 7 of QFE: Skills, Autonomy and responsibility, Self-development)
3. Design compelling data narratives and visual representations to expose insights derived from analytics and communicate it to a diverse set of stakeholders.
(Level 7 of QFE: Autonomy and responsibility, Role in context)

Concentration in Machine Intelligence

Machine Intelligence has created a paradigm shift in technology affecting all facets of businesses, governments, and society due to advances in AI and the exponential growth of data. The Machine Intelligence concentration provides students with the technical knowledge and analytical methods that will prepare them for the next generation of innovation. In this concentration, students will learn the latest trends in Machine Learning such as Neural Networks and Deep Learning to Computer Vision and Natural Language Processing to build and validate models to all kinds of data within organizations to gain insights and drive business intelligence.

Concentration Learning Outcomes

1. Apply machine learning and Artificial Intelligence technologies to solve computational and quantitative problems.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility)
2. Synthesize and validate AI models to create industry-ready solutions for prediction, classification, and business insights.
(Level 7 of QFE: Skills, Autonomy and responsibility, Role in context)
3. Explain the technical, ethical, and societal implications and limitations of AI models.
(Level 7 of QFE: Skills, Self-development)

Concentration in Digital Security

The global trend of digitization has exposed society to borderless threats and attacks from local and global actors. Ranging from digital humanity, digital society, to digital economy, dimensions of threats present myriads of challenges that require urgent remediation. Security in this digitized world is therefore an immensely important issue that requires the knowledge of the underlying technology, principle, and theories. The digital security concentration provides balance between the growing technological advances, the practical implementation of protective principles, and the underlying theory of security.

The students will acquire the versatile skills set to protect computer systems, data, and networks from malicious cyberattacks. They will utilize cybersecurity tools and techniques to find system vulnerabilities while building security solutions to prevent malicious attacks and the threat intelligence knowledge to show how attacks have occurred and identify their origins.

Concentration Learning Outcomes

1. Use digital security principles, tools, skills, and practices to safeguard computer systems, data, and applications.
(Level 7 of QFE: Knowledge, Skills)
2. Apply machine learning and data analysis techniques to mitigate data security threats in traditional and emerging computing platforms.
(Level 7 of QFE: Skills, Autonomy and responsibility)
3. Analyze threats and vulnerabilities to manage risks, investigate cybercrimes and communicate ethical and technical findings to appropriate stakeholders in the digital security ecosystem.
(Level 7 of QFE: Skills, Autonomy and responsibility, Role in context, Self-development)

Degree Requirements

Required Credit Hours: 120 hours

General Education	40 CHs
Program Required Courses	30 CHs
Concentration Courses	24 CHs
Internship and Capstone Project	14 CHs
Electives	12 CHs

General Education		40 CHs
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3
IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
IDS101	Critique and Communication	4
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
ICB103	Applied Algorithmic Thinking	4
IDS102	Applied Creative and Critical Thinking	4
IDS103	Statistical Intuitions & Applications	4
IDS204	Deriving Insights from Evidence	4
IDS105	Systems and Society	4
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAH244	Ethical Systems, Moral Dilemmas	4

Program Required courses		30 CHs
ICS211	Single and Multivariable Calculus	4
ICS215	Mathematics For Computational Systems	3
ICS230	Information Security and Data Privacy	3
ICS221	Data Structures and Algorithms	4
ICS220	Programming Fundamentals	3
ICS214	Probability, Statistics, and the Structure of Randomness	4
ICS340	Database Systems	3
ICS360	Computer Networks Fundamentals	3
ICS350	Introduction to Artificial Intelligence	3
Internship and Capstone Project courses		14 CHs
IDS391	Capstone Seminar I	3
IDS493	Capstone Project I	4
IDS494	Capstone Project II	4
ICS490	Internship	3

Concentration in Applied Data Science courses		24 CHs
ICS351	Machine Learning	4
ICS315	Computational Bayesian Statistics	4
ICS341	Big Data Analytics	4
ICS420	Parallel Programming & Distributed Computing	4
ICS441	Data Science and Decision Making	4
ICS443	Visual and Interactive Analytics	4

Concentration in Machine Intelligence courses		24 CHs
ICS351	Machine Learning	4
ICS315	Computational Bayesian Statistics	4
ICS353	Perceiving the World through Computer Vision	4
ICS451	Natural Language Technologies	4
ICS450	Applied Neural Networks and Deep Learning	4
ICS453	Autonomous Systems	4

Concentration in Digital Security courses		24 CHs
ICS351	Machine Learning	4
ICS330	Attack and Defense in Cyberspace	4
ICS331	Applied Cryptography and Identity Management	4
ICS432	Software Security	4
ICS430	Governance, Compliance, and Risk Management	4
ICS431	Digital Forensics and Incident Response	4

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Computational Systems
Concentration in Applied Data Science
(Recommended Sequence)

	Semester 1			Semester 2		
			Credits			Credits
Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications	4
	ICB102	Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4
	ICB103	Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
	IDS102	Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
			Total	16		Total
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	ICS211	Single and Multivariable Calculus	4	ICS221	Data Structures and Algorithms	4
	ICS215	Mathematics For Computational Systems	3	ICS220	Programming Fundamentals	3
	ICS230	Information Security and Data Privacy	3	ICS214	Probability, Statistics, and the Structure of Randomness	4
		Total	14		Total	15
Year 3	Semester 5			Semester 6		
	ICS340	Database Systems	3	IDS391	Capstone Seminar I	3
	ICS360	Computer Networks Fundamentals	3	ICS351	Machine Learning	4
	ICS350	Introduction to Artificial Intelligence	3	ICS315	Computational Bayesian Statistics	4
	Elective	Elective from other programs	3	ICS341	Big Data Analytics	4
	Elective	Elective from other programs	3			
		Total	15		Total	15
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	ICS490	Internship	3
	ICS420	Parallel Programming & Distributed Computing	4	IDS494	Capstone Project II	4
	ICS441	Data Science and Decision Making	4	Elective	Elective from other programs	3
	ICS443	Visual and Interactive Analytics	4	Elective	Elective from other programs	3
		Total	16		Total	13

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Computational Systems
Concentration in Machine Intelligence
(Recommended Sequence)

	Semester 1			Semester 2		
			Credits			Credits
Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications	4
	ICB102	Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4
	ICB103	Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
	IDS102	Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
			Total	16		Total
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	ICS211	Single and Multivariable Calculus	4	ICS221	Data Structures and Algorithms	4
	ICS215	Mathematics For Computational Systems	3	ICS220	Programming Fundamentals	3
	ICS230	Information Security and Data Privacy	3	ICS214	Probability, Statistics, and the Structure of Randomness	4
		Total	14		Total	15
Year 3	Semester 5			Semester 6		
	ICS340	Database Systems	3	IDS391	Capstone Seminar I	3
	ICS360	Computer Networks Fundamentals	3	ICS351	Machine Learning	4
	ICS350	Introduction to Artificial Intelligence	3	ICS315	Computational Bayesian Statistics	4
	Elective	Elective from other programs	3	ICS353	Perceiving the World through Computer Vision	4
	Elective	Elective from other programs	3			
		Total	15		Total	15
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	ICS490	Internship	3
	ICS451	Natural Language Technologies	4	IDS494	Capstone Project II	4
	ICS450	Applied Neural Networks and Deep Learning	4	ICS453	Autonomous Systems	4
	Elective	Elective from other programs	3	Elective	Elective from other programs	3
		Total	15		Total	14

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Computational Systems
Concentration in Digital Security
(Recommended Sequence)

	Semester 1			Semester 2		
			Credits			Credits
Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications	4
	ICB102	Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4
	ICB103	Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
	IDS102	Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
			Total	16		Total
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	ICS211	Single and Multivariable Calculus	4	ICS221	Data Structures and Algorithms	4
	ICS215	Mathematics For Computational Systems	3	ICS220	Programming Fundamentals	3
	ICS230	Information Security and Data Privacy	3	ICS214	Probability, Statistics, and the Structure of Randomness	4
		Total	14		Total	15
Year 3	Semester 5			Semester 6		
	ICS340	Database Systems	3	IDS391	Capstone Seminar I	3
	ICS360	Computer Networks Fundamentals	3	ICS351	Machine Learning	4
	ICS350	Introduction to Artificial Intelligence	3	ICS330	Attack and Defense in Cyberspace	4
	Elective	Elective from other programs	3	ICS331	Applied Cryptography and Identity Management	4
	Elective	Elective from other programs	3			
		Total	15		Total	15
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	ICS490	Internship	3
	ICS432	Software Security	4	IDS494	Capstone Project II	4
	ICS430	Governance, Compliance, and Risk Management	4	Elective	Elective from other programs	3
	ICS431	Digital Forensics and Incident Response	4	Elective	Elective from other programs	3
		Total	16		Total	13

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Bachelor of Science in Social Innovation

Students in the Social Innovation program apply scientific methods to understand the ways people think and act - individually, in groups, and in societies - and the ways that biology and the environment interact to make each of us unique. Research findings from the social sciences inform public policy on a wide range of issues, such as reducing crime, designing effective political campaigns, helping people overcome addictions, crafting economic/labor policies, and convincing people to conserve resources. Students in the Social Innovation program will devise ways to improve society by examining the challenges facing developing and developed economies, analyzing the central components of governments and constitutions, and using the science of influence and motivation. It will support the critical needs of UAE society and government by preparing graduates ready to embark upon careers such as Social Entrepreneur, Labor Specialist, Corporate Attorney, Urban Planner, Economist, Science Journalist, Policy Analyst and Conflict Mediator.

In the Social Innovation program, students will take courses that provide in-depth disciplinary knowledge and skills, as well as electives from courses offered in other programs. In addition, they will complete an internship and an independent Capstone project.

Program Goals

To meet our social innovation majors' aspirations to address complex, interconnected issues in society through a deep understanding of human behavior within broader political and economic macro environmental contexts, by leveraging the latest communication strategies and media technologies to articulate and influence social change and innovation.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Levels of Analysis:** Determine and apply levels of analysis to frame and solve problems in the social sciences.
(Level 7 of QFE: Knowledge, Skills)
- Complex Systems:** Utilize concepts from complex system theory to analyze social phenomena.
(Level 7 of QFE: Knowledge, Skills)
- Interdisciplinary Social Science:** Analyze individual and collective human behavior using principles and theories from multiple social science disciplines.
(Level 7 of QFE: Knowledge, Skills)

- Quantitative Social Science:** Utilize quantitative and computational methods to operationalize and investigate social phenomena.
(Level 7 of QFE: Knowledge, Skills)
- Problem Solving:** Apply principles and practice of the social sciences to solve social problems
(Level 7 of QFE: Skills, Autonomy and responsibility, Role in context, Self-development)
- Communication and Teamwork:** Effectively communicate with technical and non-technical audiences, and solve problems collaboratively.
(Level 7 of QFE: Skills, Autonomy and responsibility, Role in context, Self-development)

Specialization in Communication & Media

This specialization takes an interdisciplinary approach to examining the societal impact of emerging communication and media technologies at the nexus of social, cultural, political, and economic landscapes. Students examine concepts and theories from psychology, economics, political science, cultural studies, and communication to develop powerful content that communicates local yet global perspectives on areas of national priority such as science, sustainability, health, tourism, diversity, and tolerance.

Specialization Learning Outcomes

- Evaluate the principles and laws of freedom of speech and press, in a global context, and for the country.
(Level 7 of QFE: Knowledge, Autonomy and responsibility, Role in context)
- Demonstrate an understanding of the multicultural history and role of professionals and institutions in shaping communications.
(Level 7 of QFE: Knowledge, Autonomy and responsibility, Role in context, Self-development)
- Create culturally proficient communication that empowers those traditionally disenfranchised in society, domestically and globally, across communication and media contexts.
(Level 7 of QFE: Knowledge, Autonomy and responsibility, Role in context, Self-development)
- Apply the tools and technologies used by the communications professions in which they work.
(Level 7 of QFE: Skills, Autonomy and responsibility, Role in context)

Specialization in Psychology

The specialization helps students develop a disciplinary focus in psychology. Building on the interdisciplinary core, the specialization in psychology gives students the knowledge and skills that will empower them to apply psychology in the cause of social innovation, developing and deploying effective solutions to challenging and systemic social and environmental problems. The

psychology specialization is also an excellent grounding for students wishing to pursue graduate programs in various fields of pure and applied psychology.

Specialization Learning Outcomes

1. Demonstrate an understanding of psychology as an interdisciplinary science focused on human functioning and interaction within a broad socio-ecological context.
(Level 7 of QFE: Knowledge, Skills)
2. Evaluate different bio-psycho-social perspectives to address social problems and promote positive individual and social change.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility)
3. Formulate research-informed psychological views on human motivation, achievement, and wellbeing as part of the preparation for leadership responsibilities.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)
4. Produce high quality research that explores psychological phenomena and functioning from interdisciplinary perspectives, with the goal of testing and integrating hypotheses.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context)

Concentration in Behavioral Economics

This concentration draws on the tools of psychology and economics to better understand, predict, and influence how people and organizations make decisions, especially economic ones. Students will be prepared to pursue careers in marketing, public policy, consulting, as well as graduate studies in the social sciences.

Concentration Learning Outcomes

1. Evaluate core economic concepts, theories and methods.
(Level 7 of QFE: Knowledge, Skills)
2. Apply quantitative research methods to economic issues to critically assess and design policy recommendations.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)
3. Summarize and compare economic policies in written, spoken and graphical form.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context)

Concentration in Political & Economic Systems

This concentration helps students develop the skills to navigate the complex ways in which political institutions affect and are affected by economic policies and entities, internal and external actors. Students learn to develop innovative solutions for problems related to international affairs, international institutions, energy politics and global governance. This concentration prepares

students for careers and graduate studies in public policy, government, economic analysis, international relations, and law.

Concentration Learning Outcomes

1. Demonstrate an in-depth understanding of political and economic concepts, theories and modes of inquiries.
(Level 7 of QFE: Knowledge, Skills)
2. Analyze the causes and consequences of political and economic challenges at the local, regional and international levels.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Self-development)
3. Apply political and economic analytical skills effectively in addressing contemporary political and economic problems.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Self-development)
4. Develop desirable and feasible solutions for economic and political problems while designing and implementing social policies.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)

Concentration in Societal Transformation

This concentration focuses on the perspectives of the social sciences to help students analyze pressing social problems and develop viable solutions to improve society. Students learn about the cultural factors, institutional relationships and power structures that impact social change and the challenges facing societies around the world. Approaches to address societal concerns include governmental policy, social activism, and entrepreneurial practices of the business sector. Ethical and legal frameworks are considered and discussed in the context of how they shape society. Students in this concentration prepare for careers in public and urban policy, government, non-governmental institutions and organizations, social entrepreneurship, and social science research.

Concentration Learning Outcomes

1. Analyze social structures in societies around the world and understand the causes and consequences of social and economic inequality, poverty, and other issues at the heart of societal problems.
(Level 7 of QFE: Knowledge, Skills)
2. Compare different cultural practices and belief systems and evaluate their impact on approaches to political, economic, social and cultural systems.
(Level 7 of QFE: Knowledge, Skills)
3. Apply appropriate methodologies and skills to analyze complex social problems and design and implement solutions.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility)

4. Critically assess the effectiveness and sustainability of policies, laws, movements and campaigns, cultural trends and other actions aimed at bringing about positive social change. (Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)

Degree Requirements

Required Credit Hours: 120 hours

General Education	40 CHs
Program Required Courses	30 CHs
Internship and Capstone Project	14 CHs
Specialization courses	36 CHs
or	
Concentration Courses and	24 CHs
Electives from other programs	12 CHs

General Education		40 CHs
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3
IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
IDS101	Critique and Communication	4
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
ICB103	Applied Algorithmic Thinking	4
IDS102	Applied Creative and Critical Thinking	4
IDS103	Statistical Intuitions & Applications	4
IDS204	Deriving Insights from Evidence	4
IDS105	Systems and Society	4
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAH244	Ethical Systems, Moral Dilemmas	4

Program Required Courses		30 CHs
ISS252	Psychology: From Neurons to Society	4
ISS211	Modern Economic Thought	4
ISS202	Introduction to Social Innovation	3
ISS212	Political Science and Social Change	4
ISS201	Economic Behavior and Organization	3
ISS200	Cultures, Globalization and Social Change	3
ISS204	Media, Data, and Social Innovation	3
ISS305	Social Movements and Community Activism	3

ISS203	Transmedia storytelling for social good	3
Internship and Capstone Project courses		14 CHs
IDS391	Capstone Seminar I	3
IDS493	Capstone Project I	4
IDS494	Capstone Project II	4
ISS490	Internship	3

Specialization in Communication & Media courses		36 CHs
ISS321	Media effects and ethics	3
ISS362	Personal and Social Motivation	4
ISS325	Strategic communication, media, audiences, and analytics	4
ISS324	Specialized writing: Communicating complex issues	4
ISS320	Diversity, Equity, Inclusion, and Global Messages	3
ISS422	Media Content Creation, Fundamentals and Futures	4
ISS323	Media, Platforms and Multimodality	4
ISS420	Communication Campaigns, Influence, and Persuasion	4
ISS421	Digital communication for Social Change	3
ISS423	Sustainability Communication	3

Specialization in Psychology courses		36 CHs
ISS445	Mind across time	3
ISS342	Theories of cognition and emotion	4
ISS352	Cognitive Neuroscience	4
ISS362	Personal and Social Motivation	4
ISS440	Big data and society-wide psychometrics	4
ISS447	Personhood and social change	3
ISS443	From social cure to social curse	3
ISS441	Digital Selves and Cybercommunities	4
ISS444	Lifestyle: Health and Wellbeing	3
ISS442	Doing Psychology as Social Good	4

Concentration in Behavioral Economics courses		24 CHs
ISS344	Economic Theory and Tools	4
ISS342	Theories of cognition and emotion	4
ISS310	Experimental and Behavioral Economics	3
ISS362	Personal and Social Motivation	4
ISS411	Macroeconomic Policy and Global Economic Linkages	3
ISS410	Economics of Labor, Health and Education	3
ISS412	Paths to Development	3

<i>Concentration in Political & Economic Systems courses</i>		<i>24 CHs</i>
ISS331	Principles of Global Governance	3
ISS344	Economic Theory and Tools	4
ISS364	Global Development and Applied Economics	4
ISS330	Globalization: Institutions and Mechanisms	3
ISS430	Energy Governance	3
ISS446	Practice of Governance	4
ISS431	Politics of Peacebuilding and Conflict Transformation	3

<i>Concentration in Societal Transformation courses</i>		<i>24 CHs</i>
ISS351	The Power of Popular Culture	3
ISS362	Personal and Social Motivation	4
ISS364	Global Development and Applied Economics	4
ISS350	Cities: People, places, power.	3
ISS450	Comparative Social Policy	3
ISS466	Comparative Constitutional Law: Designing Societies	4
ISS451	World Regions: Trends and Transformations	3

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Social Innovation
Specialization in Communication & Media
(Recommended Sequence)

	Semester 1			Credits	Semester 2			Credits
	Year 1	ICB101	Strategic Learning and Growth		4	IDS101	Critique and Communications	
ICB102		Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform	1		
IAR110 or IAR111		Arabic Lab 1 (N): Speaking to Engage & Persuade	1	IAR211	Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency			
IAR111		Arabic Lab 1 (NN): Arabic Language & Culture for Beginners		IDS103	Statistical Intuitions and Applications	4		
ICB103		Applied Algorithmic Thinking	4	IDS105	Systems and Society	4		
IDS102		Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3		
			Total	16			Total	16
Year 2	Semester 3			Semester 4				
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4		
	ISS252	Psychology: From Neurons to Society	4	ISS212	Political Science and Social Change	4		
	ISS211	Modern Economic Thought	4	ISS201	Economic Behavior and Organization	3		
	ISS202	Introduction to Social Innovation	3	ISS200	Cultures, Globalization and Social Change	3		
			Total	15			Total	14
Year 3	Semester 5			Semester 6				
	ISS321	Media effects and ethics	3	IDS391	Capstone Seminar I	3		
	ISS204	Media, Data, and Social Innovation	3	ISS325	Strategic communication, media, audiences, and analytics	4		
	ISS305	Social Movements and Community Activism	3	ISS324	Specialized writing: Communicating complex issues	4		
	ISS362	Personal and Social Motivation	4	ISS320	Diversity, Equity, Inclusion, and Global Messages	3		
	ISS203	Transmedia storytelling for social good	3					
		Total	16			Total	14	
Year 4	Semester 7			Semester 8				
	IDS493	Capstone Project I	4	ISS490	Internship	3		
	ISS422	Media Content Creation, Fundamentals and Futures	4	IDS494	Capstone Project II	4		
	ISS323	Media, Platforms and Multimodality	4	ISS421	Digital communication for Social Change	3		
	ISS420	Communication Campaigns, Influence, and Persuasion	4	ISS423	Sustainability Communication	3		
		Total	16			Total	13	

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Social Innovation
Specialization in Psychology
(Recommended Sequence)

	Semester 1			Credits	Semester 2			Credits
	Year 1	ICB101	Strategic Learning and Growth		4	IDS101	Critique and Communications	
ICB102		Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	4		
IAR110 or IAR111		Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4	4	
ICB103		Applied Algorithmic Thinking	4	IDS105	Systems and Society	4		
IDS102		Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3	16	
			Total	16			Total	16
Year 2	Semester 3			Semester 4				
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4	4	
	ISS252	Psychology: From Neurons to Society	4	ISS212	Political Science and Social Change	4		
	ISS211	Modern Economic Thought	4	ISS201	Economic Behavior and Organization	3	3	
	ISS202	Introduction to Social Innovation	3	ISS200	Cultures, Globalization and Social Change	3		
		Total	15			Total	14	
Year 3	Semester 5			Semester 6				
	ISS445	Mind across time	3	IDS391	Capstone Seminar I	3	4	
	ISS204	Media, Data, and Social Innovation	3	ISS352	Cognitive Neuroscience	4		
	ISS305	Social Movements and Community Activism	3	ISS362	Personal and Social Motivation	4	4	
	ISS342	Theories of cognition and emotion	4	ISS440	Big data and society-wide psychometrics	4		
	ISS203	Transmedia storytelling for social good	3				15	
		Total	16			Total	15	
Year 4	Semester 7			Semester 8				
	IDS493	Capstone Project I	4	ISS490	Internship	3	4	
	ISS447	Personhood and social change	3	IDS494	Capstone Project II	4		
	ISS443	From social cure to social curse	3	ISS444	Lifestyle: Health and Wellbeing	3	4	
	ISS441	Digital Selves and Cybercommunities	4	ISS442	Doing Psychology as Social Good	4		
		Total	14			Total	14	

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Social Innovation
Concentration in Behavioral Economics
(Recommended Sequence)

	Semester 1			Semester 2			
			Credits			Credits	
Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications	4	
	ICB102	Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1	
	IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4	
	ICB103	Applied Algorithmic Thinking	4	IDS105	Systems and Society	4	
	IDS102	Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3	
			Total	16		Total	16
Year 2	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4	
	ISS252	Psychology: From Neurons to Society	4	ISS202	Introduction to Social Innovation	3	
	ISS211	Modern Economic Thought	4	ISS201	Economic Behavior and Organization	3	
	ISS212	Political Science and Social Change	4	ISS200	Cultures, Globalization and Social Change	3	
				Elective	Elective from other programs	3	
			Total	16		Total	16
Year 3	Semester 5			Semester 6			
	ISS203	Transmedia storytelling for social good	3	IDS391	Capstone Seminar I	3	
	ISS204	Media, Data, and Social Innovation	3	ISS342	Theories of cognition and emotion	4	
	ISS305	Social Movements and Community Activism	3	ISS310	Experimental and Behavioral Economics	3	
	ISS344	Economic Theory and Tools	4	ISS362	Personal and Social Motivation	4	
	Elective	Elective from other programs	3				
			Total	16		Total	14
Year 4	Semester 7			Semester 8			
	IDS493	Capstone Project I	4	ISS490	Internship	3	
	ISS411	Macroeconomic Policy and Global Economic Linkages	3	IDS494	Capstone Project II	4	
	ISS410	Economics of Labor, Health and Education	3	Elective	Elective from other programs	3	
	ISS412	Paths to Development	3				
	Elective	Elective from other programs	3				
			Total	16		Total	10

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Social Innovation
Concentration in Political & Economic Systems
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
	Year 1	ICB101		Strategic Learning and Growth	4	
ICB102		Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
IAR110 or IAR111		Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4
ICB103		Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
IDS102		Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
			Total	16		Total
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	ISS252	Psychology: From Neurons to Society	4	ISS212	Political Science and Social Change	4
	ISS211	Modern Economic Thought	4	ISS201	Economic Behavior and Organization	3
	ISS202	Introduction to Social Innovation	3	ISS200	Cultures, Globalization and Social Change	3
		Total	15		Total	14
Year 3	Semester 5			Semester 6		
	ISS203	Transmedia storytelling for social good	3	IDS391	Capstone Seminar I	3
	ISS204	Media, Data, and Social Innovation	3	ISS344	Economic Theory and Tools	4
	ISS305	Social Movements and Community Activism	3	ISS364	Global Development and Applied Economics	4
	ISS331	Principles of Global Governance	3	ISS330	Globalization: Institutions and Mechanisms	3
	Elective	Elective from other programs	3			
		Total	15		Total	14
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	ISS490	Internship	3
	ISS430	Energy Governance	3	IDS494	Capstone Project II	4
	ISS446	Practice of Governance	4	ISS431	Politics of Peacebuilding and Conflict Transformation	3
	Elective	Elective from other programs	3	Elective	Elective from other programs	3
				Elective	Elective from other programs	3
		Total	14		Total	16

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Social Innovation
Concentration in Societal Transformation
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
	Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications
ICB102		Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
IAR110 or IAR111		Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4
ICB103		Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
IDS102		Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
		Total	16		Total	16
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	ISS252	Psychology: From Neurons to Society	4	ISS202	Introduction to Social Innovation	3
	ISS211	Modern Economic Thought	4	ISS201	Economic Behavior and Organization	3
	ISS212	Political Science and Social Change	4	ISS200	Cultures, Globalization and Social Change	3
				Elective	Elective from other programs	3
		Total	16		Total	16
Year 3	Semester 5			Semester 6		
	ISS203	Transmedia storytelling for social good	3	IDS391	Capstone Seminar I	3
	ISS204	Media, Data, and Social Innovation	3	ISS362	<i>Personal and Social Motivation</i>	4
	ISS305	Social Movements and Community Activism	3	ISS364	Global Development and Applied Economics	4
	Elective	Elective from other programs	3	ISS350	Cities: People, places, power.	3
	ISS351	The Power of Popular Culture	3			
		Total	15		Total	14
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	ISS490	Internship	3
	ISS450	Comparative Social Policy	3	IDS494	Capstone Project II	4
	ISS466	Comparative Constitutional Law: Designing Societies	4	Elective	Elective from other programs	3
	ISS451	World Regions: Trends and Transformations	3	Elective	Elective from other programs	3
		Total	14		Total	13

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Bachelor of Science in Sustainability

Students who major in Sustainability study the science behind the impact of human activities on the environment, and learn to develop sustainability solutions through the application of new technologies, business strategy, and social policy.

In the BS in Sustainability program students will take courses that provide in-depth disciplinary knowledge and skills in the interdisciplinary field of Sustainability, as well as electives from courses offered in other programs. In addition, students will complete an internship and an independent Capstone project. In semester 6 and 7, students will have the opportunity to choose a concentration to specialize in one of the three pillars of Sustainability (economy, society or environment);

Program Goals

1. To educate students with the knowledge, skills, values and attitudes to address the interconnected global challenges of Sustainability, including climate change, environmental degradation, loss of biodiversity, poverty and inequality.
2. To provide our students with a solid understanding of the ethical principles of sustainability and how they are connected to practical issues of social justice, and environmental-economic equity.
3. To enable our students with the capacity to address the national and international environmental, societal and economic challenges facing us in the 21st century.
4. For our students to have a grounded understanding of how the 3 pillars of sustainability are interrelated, and be able to use this knowledge in systems thinking for research and for practical problem-solving.
5. To give our students the experience of working in an interdisciplinary way and to have the capability to work productively and effectively within cross-disciplinary teams.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. **Conceptual Knowledge:** Apply the principles of sustainability in various environmental, social and economic contexts.
(Level 7 of QFE: Knowledge)
2. **Communication Skills:** Communicate confidently and effectively on the subject of sustainability using advanced written, oral and visual communication skills.
(Level 7 of QFE: Skills, Autonomy and responsibility)

3. **Problem Solving & Critical Thinking:** Assess information from various sources to develop logical arguments for practical and sustainable solutions to environmental problems.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility)
4. **Research Skills:** Apply scientific methods and tools to collect and analyze data on real world problems relating to sustainability.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility)
5. **Environmental Awareness and Responsibility:** Analyze contemporary environmental issues at both local and global scales and incorporate socio-cultural norms while taking on professional responsibilities in environmental stewardship.
(Level 7 of QFE: Autonomy and responsibility, Role in context, Self-development)
6. **Practical and Professional Engagement:** Operate professionally, ethically and autonomously in the workplace as individuals or as part of a team, or as the leader of a team.
(Level 7 of QFE: Autonomy and responsibility, Role in context, Self-development)

Concentration in Sustainable Enterprise

This concentration examines how environmental and societal sustainability can be managed and enhanced through creative and profitable business ideas. Students learn how ideas from both business and science can be combined to create novel and workable solutions to environmental issues.

Concentration Learning Outcomes

1. Justify why the transition to a sustainable enterprise economy is of critical importance to the creation of a socially just and environmentally safe operating space for humanity.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)
2. Develop a strategy for an existing enterprise to transition to sustainability, or to contribute to a business plan for the development of a completely new sustainable enterprise.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)

Concentration in Sustainable Policy

This concentration examines how different knowledge systems utilise scientific findings to inform sustainability policy. Students will acquire the interdisciplinary skills required for careers in the public, private, and voluntary sectors that enable them to develop, analyse, and evaluate sustainability policies, on the basis of their economic, social, and political impacts.

Concentration Learning Outcomes

1. Employ a systems approach to understanding the complex social-ecological dynamics that contribute to the development of an inclusive, resilient, and sustainable society.
(Level 7 of QFE: Knowledge, Skills, Role in context, Self-development)
2. Apply different knowledge systems in the effective design, implementation and evaluation of sustainability policies.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)

Concentration in Sustainable Environments

This concentration teaches problem solving skills required for developing and implementing innovative solutions to complex problems focused on the health and welfare of environmental and human resources. Integrating the environment, health and risk management into sustainability prepares students for careers focused on protecting people from the risks associated with human impacts on the environment.

Concentration Learning Outcomes

1. Employ qualitative and quantitative methods to measure and monitor environmental problems such as climate change, pollution, loss of biodiversity, hazards, and threats to natural resources.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)
2. Synthesize complex data sets describing environmental problems, evaluate environmentally sustainable alternatives and formulate action plans that integrate science, economic and social perspectives.
(Level 7 of QFE: Knowledge, Skills, Autonomy and responsibility, Role in context, Self-development)

Degree Requirements

Required Credit Hours: 120 hours

General Education	40 CHs
Program Required Courses	31 CHs
Internship and Capstone Project	14 CHs
Concentration Courses	22 CHs
Electives from other concentration	7 CHs
Electives from other programs	6 CHs

General Education		40 CHs
ICB101	Strategic Learning and Growth	4
ICB102	Expressive Clarity	3

IAR110 or IAR111	Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1
IDS101	Critique and Communication	4
IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
ICB103	Applied Algorithmic Thinking	4
IDS102	Applied Creative and Critical Thinking	4
IDS103	Statistical Intuitions & Applications	4
IDS204	Deriving Insights from Evidence	4
IDS105	Systems and Society	4
IDS220	Fundamentals of Innovation and Entrepreneurship	3
IAH244	Ethical Systems, Moral Dilemmas	4

Program Required Courses		31 CHs
ISU201	Earth Systems	3
ISU202	Principles of Sustainability	3
ISU203	Evolution Across Multiple Scales	4
ISU204	Introduction to Environmental Health	3
ISU205	Introduction to Environmental Economy and Policy	3
ISU206	Chemical Structure and Reactivity	4
ISU207	Ecology and Conservation	4
ISU208	Sustainability Policy and Planning	3
ISU209	Physics of Life	4
Internship and Capstone Project courses		14 CHs
IDS391	Capstone Seminar I	3
IDS493	Capstone Project I	4
IDS494	Capstone Project II	4
IDS499	Internship	3

Concentration in Sustainable Enterprise courses		22 CHs
ISU301	The Sustainable Enterprise Economy	4
ISU302	Ecological Economics	4
ISU303	Measuring and Reporting Sustainability	3
ISU400	Social Entrepreneurship	3
ISU401	Organizational Change for Sustainability	4
ISU402	Impact Investment	4

Concentration in Sustainable Policy courses		22 CHs
ISU304	Sustainable Cities and Communities	4
ISU305	Social Justice and Equity	4

ISU306	Circular Economy	3
ISU403	Food and Water Security	3
ISU404	Energy Policies and Net Zero Scenarios	4
ISU405	Nutrition, Health and Sustainability	4

<i>Concentration in Sustainable Environments courses</i>		22 CHs
ISU307	Environmental Hazards and Disaster Risk	3
ISU308	Applied Microbiology	4
ISU309	Environmental Chemistry	4
ISU403	Food and Water Security	3
ISU406	Wastewater and Solid Waste Management	4
ISU407	Monitoring and Modeling Earth's Systems	4

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Sustainability
Concentration in Sustainable Enterprise
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
	Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications
ICB102		Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1
IAR110 or IAR111		Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1		IDS103	Statistical Intuitions and Applications
ICB103		Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
IDS102		Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
		Total	16		Total	16
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	ISU201	Earth Systems	3	ISU204	Introduction to Environmental Health	3
	ISU202	Principles of Sustainability	3	ISU205	Introduction to Environmental Economy and Policy	3
	ISU203	Evolution Across Multiple Scales	4	ISU206	Chemical Structure and Reactivity	4
	Elective	Elective from other programs	3			
		Total	17		Total	14
Year 3	Semester 5			Semester 6		
	ISU207	Ecology and Conservation	4	IDS391	Capstone Seminar I	3
	ISU208	Sustainability Policy and Planning	3	ISU301	The Sustainable Enterprise Economy	4
	ISU209	Physics of Life	4	ISU302	Ecological Economics	4
	Elective	Elective from other programs	3	ISU303	Measuring and Reporting Sustainability	3
		Total	14		Total	14
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	IDS499	Internship	3
	ISU400	Social Entrepreneurship	3	IDS494	Capstone Project II	4
	ISU401	Organizational Change for Sustainability	4	Elective	Elective from other concentrations	3
	ISU402	Impact Investment	4	Elective	Elective from other concentrations	4
		Total	15		Total	14

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Sustainability
Concentration in Sustainable Policy
(Recommended Sequence)

	Semester 1			Credits	Semester 2			Credits
	Year 1	ICB101	Strategic Learning and Growth		4	IDS101	Critique and Communications	
ICB102		Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	4		
IAR110 or IAR111		Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4		
ICB103		Applied Algorithmic Thinking	4	IDS105	Systems and Society	4		
IDS102		Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3		
			Total	16			Total	16
Year 2	Semester 3			Semester 4				
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4		
	ISU201	Earth Systems	3	ISU204	Introduction to Environmental Health	3		
	ISU202	Principles of Sustainability	3	ISU205	Introduction to Environmental Economy and Policy	3		
	ISU203	Evolution Across Multiple Scales	4	ISU206	Chemical Structure and Reactivity	4		
	Elective	Elective from other programs	3					
		Total	17			Total	14	
Year 3	Semester 5			Semester 6				
	ISU207	Ecology and Conservation	4	IDS391	Capstone Seminar I	3		
	ISU208	Sustainability Policy and Planning	3	ISU304	Sustainable Cities and Communities	4		
	ISU209	Physics of Life	4	ISU305	Social Justice and Equity	4		
	Elective	Elective from other programs	3	ISU306	Circular Economy	3		
		Total	14			Total	14	
Year 4	Semester 7			Semester 8				
	IDS493	Capstone Project I	4	IDS499	Internship	3		
	ISU403	Food and Water Security	3	IDS494	Capstone Project II	4		
	ISU404	Energy Policies and Net Zero Scenarios	4	Elective	Elective from other concentrations	3		
	ISU405	Nutrition, Health and Sustainability	4	Elective	Elective from other concentrations	4		
		Total	15			Total	14	

Electives must be Face-to-Face courses

Total = 120 Credit Hours

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Sustainability
Concentration in Sustainable Environments
(Recommended Sequence)

	Semester 1		Credits	Semester 2		Credits
	Year 1	ICB101	Strategic Learning and Growth	4	IDS101	Critique and Communications
ICB102		Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform	1
IAR110 or IAR111		Arabic Lab 1 (N): Speaking to Engage & Persuade	1		Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	
		Arabic Lab 1 (NN): Arabic Language & Culture for Beginners			IDS103	Statistical Intuitions and Applications
ICB103		Applied Algorithmic Thinking	4	IDS105	Systems and Society	4
IDS102		Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3
		Total	16		Total	16
Year 2	Semester 3			Semester 4		
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4
	ISU201	Earth Systems	3	ISU204	Introduction to Environmental Health	3
	ISU202	Principles of Sustainability	3	ISU205	Introduction to Environmental Economy and Policy	3
	ISU203	Evolution Across Multiple Scales	4	ISU206	Chemical Structure and Reactivity	4
	Elective	Elective from other programs	3			
		Total	17		Total	14
Year 3	Semester 5			Semester 6		
	ISU207	Ecology and Conservation	4	IDS391	Capstone Seminar I	3
	ISU208	Sustainability Policy and Planning	3	ISU307	Environmental Hazards and Disaster Risk	3
	ISU209	Physics of Life	4	ISU308	Applied Microbiology	4
	Elective	Elective from other programs	3	ISU309	Environmental Chemistry	4
		Total	14		Total	14
Year 4	Semester 7			Semester 8		
	IDS493	Capstone Project I	4	IDS499	Internship	3
	ISU403	Food and Water Security	3	IDS494	Capstone Project II	4
	ISU406	Wastewater and Solid Waste Management	4	Elective	Elective from other concentrations	3
	ISU407	Monitoring and Modeling Earth's Systems	4	Elective	Elective from other concentrations	4
		Total	15		Total	14

Electives must be Face-to-Face courses

Total = 120 Credit Hours

College of Natural and Health Sciences

Departments

- Life and Environmental Sciences
- Psychology
- Health Sciences
- Mathematics and Statistics

Degrees

- Master of Science in Environment & Sustainability Sciences
- Master of Science in Counselling Psychology

Mission

The mission of the College of Natural and Health Sciences is to:

- Pursue cutting-edge collaborative research that directly addresses issues of national and global concern in environment and health.
- Promote synergy between scholarly activity, service and outreach with the wider community, to build greater environmental resilience and to develop sustainable solutions for a more prosperous and healthy future.
- Provide inspiring academic programs that use the principles of interdisciplinarity and will nurture students' personal growth and development, enabling their entry into the workforce upon graduation as competent and effective professionals.

Faculty Listings

Dean: Fares Howari

Associate Dean: Henrik Stahl

Life and Environmental Sciences Department

Chair: Fatme Al Anouti

Ada Natoli, Ahmed Al-Taani, Ahmed ElShafey, Ayisha Siddiqua, Fatme Al Anouti, Henrik Stahl, Hikmat Hamad, Imane Belyamani, Imen Ben Salem, James Terry, Javeria Khan, Jibran Iqbal, Kenesha Wilson, Lakshmi Ambika, Lama Musa, Lina Maloukh, Maisa Elgamal, Manar Mfarrej, Meena Kovilakam, Mouza AlShehhi, Muad Ghaith, Muhammad Naseem, Muhammad Usman, Munawwar Khan, Nadera Baig, Naman Arora, Naserddine Hamadi, Rania Dghaim, Rashed Algaoud, Rima Al Chaar, Saniyah Khan, Shoaib Malik, Suhail AlGhfeli, Vidhya Sunil, Yousef Nazzal.

Psychology Department

Chair: Teresa Arora

Beena Saji, Carl Gaspar, Carl Gaspar, Christin Camia, Ehab Hermena, Jigar Jogia, Joan Abdallah, Kyle Msall, Lance Kahn, Lauren Casey, Man Chung, Maria Santos, Maryam AlJassmi, Maryna Bondaruk, Nekeyla Oliver, Suheir Awadalla, Tabassim Ali, Tai Broach, Teresa Arora.

Health Sciences Department

Chair: Rania Dghaim

Ala Rajabi, Asya Al Dayyani, Asya Al Dayyani, Dalia Haroun, Dimitrios Papandreou, Fariba Shaikh, Haleemah AlSabah, Lina AlKury, Maisoun Alsharif, Mona El Kouatly, Myriam Abboud, Sarah Khan, Sharifa AlBlooshi, Zainab Taha, Ali Artaman, Lara Khouzami, Lynne Kennedy.

Mathematics and Statistics Department

Chair: Nicola Spinelli

Abdelouhab kharab, Afreen Arif, Afreen Arif, Ahmad Al Mahmoud, Amer Malbanji, Dana Saleh, Fadi Al-Zubi, Farid El Ktaibi, Fayez Sayed, Fida Al Omari, Ghada Janem, Hala ElNagar, Israa Saleh Bek, Jalal AlHallak, Jalalidin Jaenbai, Marc Schwarzwaldler, Mohammed Alshbool, Mutaz Mohammed, Nicola Spinelli, Puja Gridhar, Rachid Bentoumi, Rafiq Hijazi, Suja Mathew, Umadevi Elangho, Yogi Erlangga, Ziad Adwan.

Master of Science in Environment and Sustainability Sciences

The Master of Science in Environment & Sustainability Sciences is intended as a two-year, fee-for-service graduate level degree that prepares students for research or professional practice in Environment and Sustainability Sciences, as well as serving as preparation for further studies at the doctoral-level, should graduates elect to apply for such a degree in the future. It is also intended to fulfill the needs of current professionals looking for additional qualification.

Program Learning Outcomes

1. Knowledge & Practice:

- Develop an advanced understanding of ecosystem health and the features required to maintain it.
- Recognize the role of human activities in shaping the natural environment and identify management and governance strategies for

minimizing negative impacts and enhancing positive impacts.

- c. Formulate solutions to complex environmental issues.

(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility)

2. Critical Thinking:

- a. Evaluate information and apply advanced knowledge to recommend strategies that address environmental problems in the UAE.
- b. Show critical appreciation and ability to link sustainability, natural sciences, social, cultural, and ethical issues in relation to environmental practices and management.

(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility)

3. Communication:

- a. Prepare and effectively convey information and knowledge on environmental health and sustainability issues in a variety of formats.
- b. To be able to effectively communicate with professionals, labor, industry, general public, and the media.
- c. Synthesize information from multiple perspectives and reconcile a cohesive viewpoint that can be delivered to a variety of stakeholders.

(Level 9 of QFE: Skill, Autonomy and responsibility, Self-development)

4. Professionalism, Autonomy and Leadership:

- a. Work professionally and ethically across different sectors, disciplines and institutional levels.
- b. Continuously examine and critically reflect on own practice and values and adjust them accordingly.

(Level 9 of QFE: Role in context, Self-development)

5. Research:

- a. Design studies that apply appropriate quantitative tools and analytical methods to conduct research in environmental sciences and sustainability.
- b. Continuously review recent developments and new knowledge to determine appropriate use of data for problem identification and resolution.
- c. Evaluate the integrity and comparability of data used in environmental studies.

(Level 9 of QFE: Knowledge, Skill)

enable faculty from another campus to give special lectures.

Admission Requirements

Applicants must have an earned baccalaureate degree in a discipline considered appropriate to the graduate degree program from an accredited university recognized by the UAE Ministry of Education with a cumulative grade point average (CGPA) of 3.0 or higher on a 4.0-point scale or equivalent.

For detailed admissions and conditional admissions requirements, please refer to the [Admissions](#) section under the Graduate Programs.

Degree Requirements

Required Credit Hours: 36 hours

Program Required Courses		26 CHs
ENV600	Environmental Sciences & Ecosystem Analysis	3
ENV601	Science Communication and Writing	3
ENV610	Sustainability Planning and Management	3
ENV615	Environmental Impact Assessment	3
ENV655	Liquid & Solid Waste Management	4
ENV690	Experimental Design & Data Analysis in Natural Sciences	3
ENV693	Contemporary Issues in Sustainability and Environmental Technology Seminar	1
ENV699	Thesis in Environmental Science & Sustainability	6

Program Elective		10 CHs
ENV611	Renewable Resources & Mixed Energy in Sustainable Development	3
ENV620	Occupational Health and Safety	3
ENV625	Environmental Protection	3
ENV630	Advanced Environmental Policy	3
ENV650	Ecotoxicology	4
ENV656	Instrumentation and Analytical Methods in Environmental Sciences	4
ENV657	GIS Applications in Environmental Science	3
ENV660	Restoration Ecology	4
ENV665	Environmental Microbiology	4
ENV670	Coastal and Terrestrial and Environments	4
ENV695	Environmental Field Expedition	3

Program Delivery

The program will be taught face-to-face, primarily in the evening (6PM – 9PM). Laboratory sections will also be run face-to-face in the evening. Although coursework is primarily face-to-face, occasional use of video-conferencing technology may be used to

Master of Science in Counselling Psychology

The College of Natural and Health Science's graduate program in Counseling Psychology provides prospective psychology professionals with the essential knowledge, skills, and competencies to work as counseling psychologists or psychotherapists with adult populations. License-eligible, graduates of this program will have experience in psychological assessment, case formulation, research, and evidence-based intervention in the context of adult mental health. Graduates of this program will be well prepared for career progression in counseling psychology, making valuable contributions to the health and social sector across the UAE and beyond.

Program Learning Outcomes

1. Theoretical & Conceptual Knowledge:

Upon successful completion of the program, the student will be able to identify and demonstrate an in-depth understanding of mental health issues, compare and summarize psychological theories, assessment and intervention techniques utilized in clinical/counselling psychology.

(Level 9 of QFE: Knowledge)

2. Critical & Analytical Thinking:

Upon successful completion of the program, the student will effectively analyse, assess, and apply appropriate and relevant prevention or intervention strategies related to the mental health and wellbeing of individuals, groups, or communities.

(Level 9 of QFE: Skill, Autonomy and responsibility)

3. Research Capacity:

Upon successful completion of the program, the student will independently evaluate current research in psychology, as well as invent, design and develop and engage in research studies in psychology, and engage in academic writing.

(Level 9 of QFE: Skill)

4. Contextual Application of Knowledge:

Upon successful completion of the program, the student will critically analyse, critique, summarize and discuss psychological concerns and interventions related to the diverse cultural context of the UAE and other communities.

(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility)

5. Knowledge & Practice of Ethics:

Upon successful completion of the program, the student will demonstrate knowledge of, appraise and apply the major principles that

govern professional and ethical standards in counselling and psychology.

(Level 9 of QFE: Knowledge, Autonomy and responsibility Role in context, Self-development)

6. Professional Development:

Upon successful completion of the program, the student will demonstrate a commitment to develop as a scientist-practitioner through engagement in academic courses and practical and applied training.

(Level 9 of QFE: Skill, Autonomy and responsibility Role in context, Self-development)

Program Delivery

The program will be taught face to face over evenings and weekends in classroom settings to enable working students and professionals to enrol in the program as well as any visiting from the region. Although coursework will be live with classroom instruction, use of Blackboard discussion, practicum training and assessment practice will also take place.

Admission Requirements

This graduate program is open to both genders and all nationalities, however admission to credit bearing graduate programs is limited and competitive. Applicants meeting the minimum admission requirement (academic qualifications and appropriate language skills) are not guaranteed admission; a mandatory interview is also required for the MSc in Counselling Psychology.

In addition to the minimum ZU graduate studies admission criteria. Specific requirements for this program are needed.

The following qualifications are appropriate as a basis for admission to the program:

- Postgraduate psychology degree
- Undergraduate degree in psychology
- Postgraduate awards in Counselling/ Psychotherapy
- Undergraduate degree in Psychotherapy/ Counselling
- Combined honours Undergraduate degree where at least 50% of the program must include courses in psychology such as biological psychology and cognitive psychology.

For detailed admissions and conditional admissions requirements, please refer to the [Admissions](#) section under the Graduate Programs.

Degree Requirements**Required Credit Hours: 48 hours**

Program Required Courses		48 CHs
PSY600	Cultural Competency, Ethics And Professional Practice In Psychology	3
PSY610	Psychological Disorders	3
PSY620	Theories and Models of Psychotherapy	3
PSY630	Psychological Assessment: Tests and Measurement	3
PSY640	Foundations of Psychological Interventions: Interviewing, Counseling & Prevention strategies	3
PSY655	Advanced Research Methods	3
PSY621	Professional Development and Competency to Practice	3
PSY641	Special Population Focus: Public Health	3
PSY681	Special Topics: Mindfulness and cognitive-based approaches to Trauma and Grief	3
PSY675	Addiction Preventions and Interventions	3
PSY635 or PSY671	Cognitive Psychology and Neuroscience Advances in Positive Psychology, Prevention, and Community Wellbeing	3
PSY660	Motivational interviewing, Group and Family Counseling and Psychotherapy	3
PSY690	Counseling Internship I	3
PSY695	Counseling Internship II	3
PSY699	Master's Thesis	6*

* *Master Thesis is a 6-credit hour course over 2 semesters*

College of Technological Innovation

Departments

- **Computing and Applied Technology**
- **Information Systems and Technology Management**

Degrees

- **Master of Science in Information Systems Management**
- **Master of Science in Information Technology (Cyber Security)**

Mission

The College of Technological Innovation seeks to produce information technology and information systems graduates recognized in the United Arab Emirates, and the rest of the world through experiential pedagogy. It also seeks to develop a strong applied research capacity through innovative solutions to emerging challenges.

CTI Goals

- Improve teaching, learning and the quality of academic programs to fulfill dynamic market demands and achieve national and international accreditation in information technology and information systems.
- Develop a strong base of research capacity and expertise to meet UAE's national information technology and information systems needs with focus on supporting knowledge transfer, commercialization and community outreach.
- Equip students for professional success by developing work ethics, social responsibilities, life-long learning and communication skills.

Faculty Listings

Dean: Hany El Kadi

Associate Dean: Omar Alfandi

Computing and Applied Technology Department

Chair: Zakaria Maamar

Abdallah Tubaishat, Abdul Kadhim Hayawi, Abdul Kadhim Hayawi, Ahmad Wazan, Ahmed Abdelrahim, Ahmed Seffah, Alena Connolly, Andrew Leonce, Anwer Al-Dulaimi, Asad Khattak, Asmaa Seyam, Babar Shah, Basel Almourad, Emad G. Bataineh, Farkhund Iqbal, Fatima AlHarbi, Fatma Taher, Fatna Belqasmi, Fuhaina Puaad, Gerald Elvey, Hamda Al Breiki, Hanar Atroshi, Hussein Fakhry, Huwaida Said, Izzeddin Asad, Liza Ahmad, Maher Aburros, Maurice Danaher, Mohamad Badra, Mohamed El-

Attar, Mohammad AlAkhras, Mohammed Hussain, Monther Aldwairi, Nagarajan Chandrashekar, Omar AlFandi, Ouns Bouachir, Richard Ikuesan, Rima Grati, Safa Otoum, Salsabeel Alfalah, Samia Loucif, Sanaa Kaddoura, Shahbano Farooq, Sheny Joy, Tarannum Parkar, Yaser Khamayseh.

Information Systems and Technology Management Department

Chair: Munir Majdalawieh

Abeer Al Hasan, Ahed Abugabah, Ahed Abugabah, Ahmed Shuhaiber, Amal Amer, Areej Abdulfattah, Ashraf Khalil, Dina Tbaishat, Edmund Evangelista, Enas Allozi, Farhi Marir, Feras Al-Obeidat, Gohar Khan, Hassan Abdalla, Ikbal Taleb, Joao Negreiros, Maher AlA>Raj, Mohammad Tubishat, Mohd Nazir, Mousa Al-kfairy, Nabeel AlQirim, Nadia Dahmani, Ravishankar Sharma, Sinan Salman, Stephan Ottewill, Syed Duani

Master of Science in Information Systems Management

The Master of Science in Information Systems Management is designed to prepare students for the knowledge, skills, and abilities essential to lead and manage small to large corporations effectively within a technology-driven world, organizational or individual. The program is intended to provide a graduate-level, business-technology-oriented curriculum that focuses on the design and development of information systems to solve real-world problems. Graduates of the program are expected to be able to take significant roles in planning, organizing, managing, designing, configuring, and implementing systems using state-of-the-art technologies within organizations. It is important for the UAE to increase the number of individuals with the capacity to work in the fields of intelligence, technology management, digital transformation, and information systems management in all sectors in UAE.

The Master of Science in Information Systems Management degree program provides the academic and professional development for graduates to develop strong content mastery and research capabilities, a deep understanding of learners, and a comprehensive repertoire of pedagogical skills. The program is positioned to integrate the best of an academic degree with a good foundation in the field of information systems to produce graduates with intellectual rigor, strong leadership, and global perspective to make significant contributions to the UAE economy.

In brief, this program will help ease the shortage of IT managers currently being experienced across the UAE. Competent and knowledgeable IT professionals are needed to produce a better-prepared workforce.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- 1. Systems Thinking:** Demonstrate an appropriate level of advanced skills and knowledge relevant to recognizing systemic properties of organizational contexts.
(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility)
- 2. IS Investigation & Analysis:** Research, examine and critically analyze opportunities or problems for which information systems and emerging technologies can provide solution within a complex organizational contexts.
(Level 9 of QFE: Knowledge, Skill, Self-development)
- 3. Management of IS:** Evaluate the potential of emerging IS knowledge to achieve enterprise goals and competitive advantage.
(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context)
- 4. IS Professional Practice:** Critically analyze global, ethical, socio-technical and legal issues pertaining to IS and emerging technologies and outline practical strategies to deal with the implementation and the integration of IT solutions.
(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)
- 5. IS Applications:** Design IS / digital transformation solutions within an organizational context.
(Level 9 of QFE: Knowledge, Skill)
- 6. ISM Systems and Practice:** Demonstrate advanced knowledge and skills required to adapt, integrate and manage IS and emerging technologies solutions within an organization using a variety of methods.
(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility)

Program Faculty

Coordinator: Ravishankar Sharma

Ashraf Khalil, Farhi Marir, Hassan Abdalla, Joao Negreiros, Mohd Nazir, Munir Majdalawieh, Syed Duani.

[Click here](#) for program faculty details.

Program Delivery

The program is delivered in English over 4 semesters at Zayed University located in Abu Dhabi and Dubai.

Admission Requirements

Applicants must have earned a four-year baccalaureate degree with a CGPA of 3.0 or higher from an accredited university and demonstrate sufficient English proficiency to manage a challenging, fast-paced graduate program.

Additional program-specific admission requirements include the following:

- An interview is required

For detailed admissions and conditional admissions requirements, please refer to the [Admissions](#) section under the Graduate Programs.

Degree Requirements

Required Credit Hours: 30 hours

Program Required Courses		27 CHs
INS604	IT Architecture and Digital Business Models	3
INS612	Digital Transformation Strategy & Management	3
INS624	Architecture and Applications of Internet of Things Technologies	3
INS636	Business Intelligence & Analytics	3
INS646	Artificial Intelligence for Big Data	3
INS654	Principles of Blockchain and Its Applications	3
INS601	Research and Knowledge Discovery	3
INS699	Research Thesis	6

Program Elective		3 CHs
INS607	IT Service Management Foundations	3
INS616	Information and Knowledge Management	3
INS617	Modern Methods in Project Management	3
INS622	Enterprise Information Systems	3
INS652	Supply Chain and Logistic Systems	3
INS680	Technological Innovation and Entrepreneurship	3
INS655	Special Topics in Information Systems	3
SEC620	Information Security Management	3

Master of Science in Information Technology (Cyber Security)

The Master of Science in Information Technology (Cyber Security) program develops concepts, knowledge, and skills that will enable graduates to become experts in the area of information security, cyber crime prevention, and digital crime investigation. The goal of this program is to develop highly qualified technical experts to meet the demands of the national, regional, and international workplace for cyber security.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Cyber Security Fundamentals:** Demonstrate advanced knowledge, skills and competencies appropriate to security assessment, computer system security, and digital forensics within organizational contexts.
(Level 9 of QFE: Knowledge, Self-development)
- Cyber Security Investigation & Analysis:** Conduct investigation, analysis and research into advanced areas of computer systems security and digital forensics within complex organizational contexts.
(Level 9 of QFE: Knowledge, Skill, Self-development)
- Cyber Security Management:** Manage network and computer security systems within an organization to anticipate and respond to threats and attacks.
(Level 9 of QFE: Skill, Autonomy and responsibility, Role in context)
- Cyber Security Professional Practice:** Critically analyze global, ethical, legal, standardization and other non-technical issues pertaining to computer systems security and implement solutions to address them.
(Level 9 of QFE: Knowledge, Skill, Autonomy and responsibility, Role in context, Self-development)
- Cyber Security Applications:** Initiate and explain cyber security policies, procedures, and technical solutions in an organizational context.
(Level 9 of QFE: Skill)
- Cyber Security Systems and Practice:** Demonstrate advanced knowledge and skills required to create, design and manage computer system security and digital forensics solutions within an organization using various methods and technologies.
(Level 9 of QFE: Knowledge, Skill)

Program Faculty

Coordinator: Abdul Kadhim Hayawi

Abdallah Tubaishat, Ahmad Samer Wazan, Ahmed Seffah, Asad Khattak, Babar Shah, Farkhund Iqbal, Feras Al-Obeidat, Huwida Said, Lena Connolly, Maurice Danaher, Mohamad Badra, Mohammed Hussain, Monther Aldwairi, Omar Alfandi, Safa Otoum, Walid Ben Salah, Zakaria Maamar.

[Click here](#) for program faculty details.

Program Delivery

The program is delivered in English over 4 semesters at Zayed University located in Abu Dhabi and Dubai.

Admission Requirements

Applicants must have earned a four-year baccalaureate degree with a CGPA of 3.0 or higher from an accredited university and demonstrate sufficient English proficiency to manage a challenging, fast-paced graduate program.

Additional program-specific admission requirements include the following:

- An interview is required.

For detailed admissions and conditional admissions requirements, please refer to the [Admissions](#) section under the Graduate Programs.

Degree Requirements

Required Credit Hours: 30 hours

Program Required Courses		24 CHs
SEC601	Research Methods	3
SEC605	Information Security	3
SEC630	Cyber Forensics	3
SEC610	Information Security Policy, Ethics and Law	3
SEC615	Network and Internet Security	3
SEC638	Small Scale Digital Device Forensics	3
SEC620	Information Security Management	3
SEC675	Cyber Criminal Behavior	3

Non-Thesis Track		6 CHs
SEC640	Database and Enterprise Application Security	3
SEC645	Penetration Testing and Advanced Hacking Techniques	3

Thesis Track		6 CHs
SEC699	Research Thesis	6

ZU Electives List

Course Number	Course Title	Credit hours
ANT261	Introduction to Culture and Society	3
ANT302	Cities: Culture, Space, Sustainability	3
ANT362	Popular Cultures	3
ANT385	Bedouin Society	3
ARA211	Masterpieces of Arabic Literature	3
ARA222	Muslim Travelogue Literature	3
ARA235	Principles of Translation	3
ARA335	Teaching Arabic Literacy	3
ARA380	Modern Arabic Syntax	3
ARM375	Public Speaking and Professional Presentation in Arabic	3
ARM395	Media Translation Workshop	3
ART201	Principles of Design	3
ART205	Art Foundations	3
ART220	Introduction to Art History	3
ART221	Research Methods for Artists and Designers	3
ART251	Basic Design	3
CIT210	Essentials of IT and Infrastructure	3
CIT480	IT Entrepreneurship	3
COM200	Communication, Media and Society	3
COM230	Professional and Public Speaking	3
COM240	Media Law and Ethics	3
EDC207	Early Childhood Development	3
EDC324	People with Special Needs	3
EDP202	Human Development	3
EDP307	Adolescent Development	3
ENG240	English Composition III	3
ENG322	Creative Writing: Experiments in Genre	3
ENG331	Introduction to Linguistics	3
ENG360	Film and Literature	3
ENG363	Drama	3
ENG364	Modern and Contemporary Literature	3
ENG365	The Novel	3
ENG367	World Poetry	3
ENG368	World Fiction	3
ENV240	Principles of Environmental Sustainability	3
ENV241	Earth Systems	3
FLS361	World Cinemas	3
GEN110	Data Management and Analysis	3
GEN150	Positivity & Wellbeing	3

GEN175	Introduction to Information Technology	3
GEN185	Methods of Scientific Research and Development	3
GEN195	Living Science: Health and Environment	3
GEN220	Fundamentals of Innovation and Entrepreneurship	3
HIS321	Heritage of the Gulf	3
HIS381	Legacy of Sheikh Zayed bin Sultan al Nahayan	3
HSS101	The Big Questions	3
HSS353	Politics of Identity	3
IMT375	Human Computer Interaction	3
INS260	Management of Information Systems	3
ISC383	Introduction to Social Media	3
ISL209	Contemporary Islamic World	3
ISL210	Islamic Political Thought	3
LAW200	Business Law & Ethics	3
LAW225	Entrepreneurship Law in the UAE	3
MGT209	Introduction to Management	3
MKT210	Introduction to Marketing	3
MTH103	Pre-Calculus	3
MTH121	Calculus I	3
MTH213	Business Statistics	3
MTH214	Mathematics for Science	3
MTH215	Computing Foundations	3
MTH281	Probability & Statistics	3
NET255	Networks and Telecommunications	3
NUT205	Principals of Nutrition I	3
PBH267	Public Health I	3
PHL201	Introduction to Philosophy	3
PHY100	Essentials of Physics	3
PHY210	General Physics I	3
POL227	Introduction to Political Science	3
POL335	International Organizations	3
PSY212	Introduction to Psychology	3
PSY363	Social Psychology I	3
SEC235	Information Security Foundations	3
SOC326	Comparative Intellectual Traditions	3
SOC341	Development and Underdevelopment	3
SOC374	Comparative Sociology	3
TCC371	Tourism Principles	3

Center for Educational Innovation

The Center for Educational Innovation (CEI) designs and delivers bespoke professional development programs for Zayed University faculty. Through fostering a culture of innovative, technology-enhanced, and evidence-based pedagogies and supporting the scholarship of teaching and learning, the CEI places excellence in teaching at the heart of its operations. Working in partnership with ZU faculty and academic leaders, the CEI facilitates internationally accredited programs that promote student-centered learning environments and engage faculty in research that focuses on the successful application of innovative and exemplary teaching practices. In this way, the CEI aims to develop the capacity of Zayed University's multi-national faculty to focus on the specific learning needs of Zayed University students and offer them every opportunity to succeed in their studies.

Research

Zayed University fosters research and creative activity that addresses the interests, needs, and concerns of the United Arab Emirates, the Gulf region, and the world. The University seeks to recruit faculty members who possess demonstrated research capabilities, can contribute to its research agenda and can build research capacity of students. The University faculty use their diverse international research experiences and engage with contemporary issues of the United Arab Emirates as the nation undergoes significant economic, social, and cultural change. The faculty also contribute broadly to international scholarship in other significant areas.

The Office of Research supports internal and external research grants and research fellowship programs that develop national research capacity. The Office of Research actively encourages research collaboration, both within the UAE and internationally. We also encourage faculty to apply for external funding, and support them in that process. We especially value interdisciplinary research that utilizes the methodologies and insights of multiple fields to understand the complexities of the physical world, its inhabitants, and the societies that it supports.

The Office of Research offers a wide range of internal grants:

- Start-Up Grants are offered to new faculty with a terminal degree.
- The Research Incentive Fund provides funds to faculty members whose proposals will have passed an international peer review process.
- The Provost's Research Fellowships provide

special support to faculty by allowing a full semester of teaching reassignment in order to finish a major project.

- Emirati Research Grants are open to applications from all UAE national faculty with active research agendas. Emirati faculty are also eligible to apply for all other grants.

All grants are awarded on a competitive basis.

Finally, the Office of Research also helps build research capacity within the UAE citizen community through various initiatives. As noted above, Emirati faculty can avail of research funds specifically allocated to support their research careers, while students are actively encouraged to become involved in research and individual study projects.

The Undergraduate Research Scholars Program fosters ZU undergraduates who will conduct faculty-mentored research in their field of study.

Undergraduates also have the opportunity to work closely with faculty on their ongoing research projects as part-time research assistants. Undergraduate research publications are supported through travel funds that allow students to present their work at international conferences. The Office of Research allocates a budget for each College to hold a research conference to showcase the work of its students.

Both undergraduate and graduate students at ZU have the opportunity to conduct research projects with experienced faculty members, in roles ranging from paid Research Assistant to full Co-Investigator. This opportunity enables them to obtain direct experience in the research process.

Institute for Social and Economic Research (ISER)

ISER's mission is to establish an innovative research system that responds to the requirements of local and global policies and challenges and promotes excellence in research and studies. It undertakes high-quality, independent research that aids in furthering the social and economic development in the country. ISER also collaborates with public and private sector institutions to conduct empirical research on social and economic issues that guides public policy and civil society in the UAE. Furthermore, the Institute is working on building research capacity among the youth, achieving research excellence, establishing links, transferring knowledge, and providing a stimulating research environment.

The Institute is currently managing the Policy Research Incentive Program, in full collaboration with the Office of Research, in which 30 research projects on key priority areas for the UAE are finalized. Moreover, the Institute is currently working on five projects related to entrepreneurial

attitudes and risk management among Emirati youth. The Institute is starting several projects in collaboration with government entities, related to wellbeing issues and the costs of children, among others.

Institute for Community Engagement (I.C.E)

The mission of the Institute for Community Engagement (I.C.E.) is to support the economic and social development of the U.A.E. by making available the academic and research resources of Zayed University and engaging ZU students in voluntary work that develops their sense of responsibility toward their communities. To achieve this mission, I.C.E. offers:

- Corporate Training and Consultancy Programs by developing a variety of standardized and customized training programs for individuals, businesses, and organizations;
- Continuing Education by assisting faculty throughout the University to design and deliver programs in various fields for audiences beyond campus boundaries;
- Business Solutions by working with clients to find the best solutions for their needs; and
- Research, originated in I.C.E., by conducting studies independently or in collaboration with content-area experts within the University.

I.C.E. operates within the domain of Zayed University and serves as a vital link to the U.A.E. community.

I.C.E clients in the UAE include:

- Abu Dhabi Department of Civil Service
- Abu Dhabi Municipality
- Abu Dhabi Police General H.Q.
- Abu Dhabi Education Council
- Abu Dhabi Family Development Foundation
- ADNOC Group of Companies
- ADWEA
- Al-Fahim Holdings
- Amiri Flight
- DP World
- Dubai e-Government
- Dubai Municipality
- Emirates NBD Bank
- Mashreq Bank
- Ministry of Education
- Ministry of Finance
- Ministry of Presidential Affairs
- Ministry of Public Works
- U.A.E. Air Force

- U.A.E. Central Bank
- Fujairah Chamber of Commerce
- ENOC

I.C.E clients outside the UAE include:

- KFUPM
- Aramco
- Sabic
- Alhamrani Group of Companies
- Al Khabeer Capital
- King A. Aziz Medical City

Further information about all outreach and engagement at Zayed University can be found on the website: www.zu.ac.ae/ICE.

Course Descriptions

Descriptions for courses appear on pages in three categories: Developmental, Baccalaureate, and Graduate.

Each listing includes the course prefix, the course number, the course title, the number of semester credit hours for the course, and a brief description of the course. Pre-requisites or Co-requisites, if any, are shown at the end of the course description.

Course Numbers

The University numbers courses from 001-799, according to the descriptions listed below.

001 to 099

Developmental Courses:

Pre-baccalaureate courses designed to enhance the readiness of a student for collegiate-level work through orientation, development, and remediation. These courses count toward course load but not toward completion of degree requirements.

100 to 299

Lower-Level Undergraduate Courses:

Introductory courses to introduce a field of study or provide foundations prerequisite to work in a major. Primarily for first and second year baccalaureate students. These courses bear credit and may count toward completion of degree requirements.

300 to 499

Upper-Level Undergraduate Courses:

Intermediate and advanced undergraduate or introductory professional courses. Primarily for third and fourth year baccalaureate students. These courses bear credit and may count toward completion of degree requirements.

500 to 599

Introductory Graduate or Post-Baccalaureate Professional Courses:

Post-baccalaureate professional or introductory graduate work; may be dual-listed with senior level undergraduate courses of the same title as long as a difference in quality and depth appropriate to graduate education is specified for students enrolled for graduate credit. These courses bear credit and may or may not count toward undergraduate degree or graduate diploma requirements; a maximum of nine credit hours may count toward graduate degree requirements.

600 to 799

Advanced Graduate or Professional Courses: Advanced courses that may provide credit toward courses that may provide credit toward graduate degree requirements in all departments.

Special Topics Courses

Special topics courses are occasional offerings. They typically cover subjects that are not covered in other courses, cover topics in greater depth than can be provided in regular course offerings, or offer the opportunity for an experimental course. Special topics courses function in the same manner as regular courses, with normal expectations for class meetings, a syllabus, and appropriate supervision of student work.

Independent Study

Independent study enables students to study material or pursue projects not available through regularly scheduled courses. An Independent Study that covers content available through a regularly scheduled course will not normally be approved. Students who have completed 30 earned credits or more with a cumulative grade-point average of 3.0 (B) or higher may apply to engage in independent study under the supervision of a faculty member, subject to dean's approval.

Prefix and Name	
AAD	Animation Design
AAH	Art History
ACC	Accounting
ADR	Art and Design Research
AGD	Graphic Design
AID	Interior Design
ANT	Anthropology
APL	Applied Linguistics
ARA	Arabic
ARM	Media in Arabic
ART	Art and Design
AVA	Visual Arts
BIO	Biology
BUS	Business
CHE	Chemistry
CIT	Information Technology
COM	Communication and Media Sciences
ECE	Early Childhood Education
ECN	Economics
EDC	Education
EDP	Educational Psychology
ELA	Educational Leadership and Administration
ENG	English
ENV	Environmental Science
ETC	Educational Technology
FIN	Finance
FLS	Film and Literature Studies
GEN	General Education
HIS	History

HRM	Human Resources Management
HSS	Humanities and Social Sciences
IAH	Interdisciplinary Arts and Humanities
IAR	Interdisciplinary Arabic
IBS	Interdisciplinary Business
ICB	Interdisciplinary Foundation Course
ICS	Interdisciplinary Computational Systems
IDS	Interdisciplinary Studies
IMT	Interactive Media
INS	Information Systems
ISC	Integrated Strategic Communication
ISE	Intelligent Systems Engineering
ISL	Islamic Studies
ISS	Interdisciplinary Social Science
ISU	Interdisciplinary Sustainability
LAW	Law
MGT	Management
MKT	Marketing
MPS	Media Production
MSE	Math and Science Education
MTH	Mathematics
NET	Network Technologies
NUT	Nutrition
OPR	Operation Management
PBH	Public Health
PHN	Public Health and Nutrition
PHY	Physics
POL	Political Science
PSY	Psychology
SEC	Information Security
SOC	Sociology
SPC	Strategic Public Communication
SPE	Special Education
SWE	Software Engineering
TCC	Tourism and Culture Communication
TCL	Teaching and Learning

AAD377 - Animation II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

In this course, students will develop skills involved in creating an animated sequence that include concept development, planning, pre-production, key-frame animation and post-production. The traditional twelve principles of animation guide students in creating interesting on-screen movement, with a focus on the animation principles of timing and spacing.
Pre-requisite: AAD376

AAD378 - Character Modeling

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This course is built upon the concepts learned in the 3D modeling course. Students will learn various organic character modeling techniques. After completing the course students are able to design, model, texture map, rig and skin a character.
Pre-requisite: AAD375

AAD475 - Game Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This course introduces the basics of game-engine based media development. This will include the design of spaces, integration of media and the development of game levels. Subjects such as real-time rendering and game development will lead to the creation of functional game levels and real-time 3D animation.
Pre-requisite: AAD375

AAD476 - Animation III

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

In this course, students will further their knowledge and practice of animation, learning advanced animation and storytelling techniques and applications.
Pre-requisite: AAD377

AAH322 - History of Islamic Art and Architecture

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

This class provides an overview of the main characteristics of Islamic art and architecture. It looks at what influenced the earliest forms of Islamic art and architecture, and examines how these forms have changed from place to place, and from time to time throughout history.

AAH324 - Contemporary Islamic Art and Architecture

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

This class provides an overview of contemporary Islamic art and architecture. Attention is paid to continuity and change in nineteenth and twentieth century form and function, and the role of the arts in promoting national and religious identity throughout the Islamic world.
Pre-requisite: ART223

AAH325 - History of Design

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

This course reviews the evolution of design into the contemporary period. It provides students with information about societal issues related to designers. This course encourages students to reflect on and be aware of the design decisions they make.

AAH326 - Representation: Exhibition, Display and Interpretation I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

This class provides an overview of the history of exhibitions, display and interpretation of objects. Particular attention is paid to the role of 19th- and early 20th-century imperialism in the development of museums designed to house art and ethnographic artifacts, the acquisition and display of objects, and the debates around the interpretation of these for public consumption.

AAH327 - Representation: Exhibition, Display and Interpretation II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Baccalaureate Courses

AAD375 - Fundamentals of Digital 3D

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This is an introductory class where students learn basic techniques of modeling, texture mapping, lighting, animation and rendering. Attention is paid to concepts and techniques that aid the student in creation of single geometric objects as well as more complex scenes and motion that will be rendered.
Pre-requisite: ART251

AAD376 - Animation I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This course introduces students to the fundamental concepts and properties of time based graphics and motion on screen. By making different types of animation, students will experience both straight ahead animation and key-framed animation. Students will practice new skills in both traditional and digital technologies for the production of moving images.
Pre-requisite: ART251 or CIT210

Schedule Type: UG Lecture

This course discusses the debates surrounding exhibitions, display, and interpretation of art and artifacts from 1980 to the present. Particular attention is paid to relationship of theories of contemporary art and culture to the display and interpretation of objects in museum settings.

Pre-requisite: AAH326 or ART223

AAH328 - Cross Cultural Influences in Design

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides students with the opportunity to examine cross-cultural influences in international art and design fields from both an historical and contemporary perspective. The course will provide a critical background in the history of cross-cultural design from both a global and local perspective. Students will explore the work of a selection of modern and contemporary Arab artists and designers and develop the ability to present the nuances of Arab and other cultures through the use of visual language.

AAH420 - Communities, Curatorial Practices, and Collections

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores the purpose and functions of museums, with particular emphasis on the roles which globalization and the development of new forms of museums play in how knowledge is created and preserved through collections and research. Topics include the history and organization of museums and collections, curatorship, research, documentation, and care.

AAH422 - Contemporary Art Theory

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This seminar focuses on contemporary sociological theory and the arts in the twentieth century. Students are asked to consider their own artwork within a larger social context.

Pre-requisite: ART223

AAH425 - History of Graphic Design

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course reviews the history of Graphic Design to the contemporary era through an examination of professional practices, technical applications, and theoretical issues. Students explore the relationship of new media and processes to the practice of print and digital design.

AAH426 - History of Interior Design

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course reviews the history of Interior Design from the Industrial Revolution through the contemporary periods in an exploration of professional practice and the role of interior designers today. This course provides the conceptual and philosophical foundation for the development of each student's particular design interest.

AAH427 - History of Animation

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course reviews the history of the field of Animation. It combines knowledge of historical and theoretical developments, the exploration of contemporary issues, and technical applications for professionals. Students explore the development of animation as a separate discipline within the context of film history and theory as well as the integration of motion in graphic design media.

AAH430 - Curatorial Practices

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This is an advanced course that introduces students to the historical and contemporary role of the curator and various curatorial practices through lectures, trips, and specific workshops. The course continues and furthers the student's examination of theoretical issues related to artistic practices and prepares students to work in a number of professional fields.

ACC202 - Financial Accounting

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Introductory unit in accounting. Encompasses three main themes: outlining the components of financial reporting in terms of the underlying theory or "conceptual framework" of accounting; providing students with a structured framework to assist them in attaining the literacy skills demanded in their academic lives and as part of their professional careers; and providing students with technical skills of accounting including the analysis, recording, preparation, and interpretation of accounting information. The course demonstrates and explains appropriate accounting procedures in the preparation and presentation of external financial reports. Students will be introduced to the financial language of the business environment, business information systems that support financial decision making and financial reports adopted as a primary mode of communication in the business environment. Pre-requisite: MTH212 or Any course from General Education Group C.

ACC203 - Managerial Accounting

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Cover various aspects of cost and managerial accounting, including cost concepts, cost accumulation, cost methods, "just in time" philosophy, decision making, cost volume profit analysis and pricing. This course provides a foundation in quantitative tools that can be used across the entire organization for decision-making. Additionally this course provides an opportunity for students to build on their spreadsheet skills by using spreadsheets to solve business problems, prepare budgets and to do budget reports.

Pre-requisite: ACC202

ACC307 - Financial Accounting II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

A continuation of financial accounting topics introduced in ACC202 Financial Accounting I. Topics include a review of the accounting cycle and of financial statements, consideration of the time value of money in accounting decisions, a variety of procedural accounting issues related to accounting for plant and equipment, intangible assets, current liabilities, corporation, investments, statement of cash flows and financial statement analysis. Special attention is given to international accounting standards whenever appropriate.

Pre-requisite: ACC202

ACC311 - Intermediate Accounting I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

A continuation of financial accounting topics introduced in ACC202 Financial Accounting. Topics include a review of the accounting cycle and of financial statements, study of the conceptual framework of accounting, consideration of the time value of money in accounting decisions, and a variety of procedural accounting issues related to accounting for cash, receivables, inventories, plant and equipment, intangible assets, current liabilities, and liabilities. Special attention is given to international accounting standards whenever appropriate.

Pre-requisite: ACC202

ACC312 - Intermediate Accounting II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

A continuation of Intermediate Accounting I and is part of a two course series that is considered the 'gateway to the profession.' Topics include a variety of procedural accounting issues related to accounting for contributed capital, retained earnings, dilutive securities, earnings per share, investments, revenue recognition rules for long-term construction contracts and installment sales, lease accounting, accounting changes, and full disclosure requirements. Special attention is given to international accounting standards whenever appropriate.

Pre-requisite: ACC311

ACC403 - Strategic Managerial Accounting

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Cost accounting focuses on developing and analyzing cost information for management decision making, using a variety of computer and quantitative techniques. Building on material covered in Managerial Accounting, Cost Accounting covers advanced topics in accounting and focuses on the preparation, rather than the use, of accounting information that affects the planning and controlling activities of organizations. The course introduces various acceptable methods of determining product costs, emphasizes the accounting entries that underlie them and focuses on analysis of product cost data and on the operating results of the firm. Topics included are Job-order costing, ABC costing, process costing, standard costing, variable costing, joint cost allocation, and transfer pricing and its implications.

Pre-requisite: ACC203

ACC404 - Corporate Taxation

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces the accounting periods and taxation methods for different types of businesses. It explains the tax treatment for various organizations such as corporations, partnerships and international organizations. It also discusses other relevant topics such as tax issues in corporate acquisitions and reorganizations, alternative minimum tax, corporate distribution, and tax impact on foreign-related transactions.

Pre-requisite: ACC311

ACC412 - Contemporary Topics in Financial Accounting

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course covers accounting for subsidiaries, both wholly and partially owned, variable interest entities, and business combinations. Students will learn how to consolidate the financial statements of various subsidiaries and entities. Other topics of contemporary interest will be investigated including new accounting and reporting standards.

Pre-requisite: ACC311

ACC413 - Accounting Information Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course addresses the role of accounting, accountants, and information technology within organizations. The course focuses on understanding the activities, processes, and information needs of organization stakeholders. Integrated accounting software is also used in the course to enable students to learn how computers are used in today's accounting environment.

Pre-requisite: ACC202

ACC416 - Auditing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Examines the theory and practice of modern external and internal auditing. Topics include the profession of auditing, ethical standards in auditing, the legal environment in which auditing takes place, risk analysis in auditing (inherent risk, control risk, detection risk), and the study of techniques used by auditors for gathering and analyzing evidence including statistical sampling techniques. The course also includes a review of the nature and wording of formal audit reports

Pre-requisite: ACC311

ACC419 - Special Topics in Accounting

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will cover various topics of current interest in advanced accounting. May cover various aspects of accounting for foreign currencies, accounting for partnerships, and accounting for bankruptcy.

Pre-requisite: ACC311 and ACC307

ADR321 - Material Culture of the United Arab Emirates

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This class surveys the different chronological phases of material

culture in the U.A.E., focusing on the relationship between society, environment and the arts.

ADR405 - Professional Practice

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

The purpose of this course is to introduce and familiarize students with the professional practices of the art or design discipline related to their program. The process begins with the student identifying their particular goals, gaining an awareness of career path options and understanding the professional expectations within the business environment. Preparation includes developing a portfolio, honing professional writing capabilities and presentation skills, applying good research in the development of proposals, becoming familiar with basic business practices, practicing project and time management skills and preparing for interviews.

ADR492 - Senior Research Seminar

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

Through group discussions, critique, research, writing and presentations, the Senior Research Seminar emphasizes an in-depth exploration of a self-designed topic in preparation for the development of a cohesive body of work in the subsequent semester ART496 Senior Project course, which is the culmination of the students' skills and knowledge gained in their chosen program. The seminar advisor(s) assists students in structuring their independent work and offers continual feedback. Visiting designers, artists and professionals will provide the students with valuable exposure to outside viewpoints. Students will develop their Senior Project work plan through the formation of a written research proposal and defend their project to both the ZU community and the community at large.

Pre-requisite: COM210 or ART221

ADR496 - Senior Project

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

The Senior Project is an advanced course, which enables the student to show both the depth and breadth of their conceptual and technical abilities to conceive, develop and present an original project in their area of study. Guided by the research and insights accomplished in their prior semester's Senior Research Seminar course, the student visually translates that understanding and information into final visual form within the professional parameters of the student's program. The senior project should evidence independence, inventiveness, and a level of maturity, awareness, competence and confidence consistent with an emerging professional artist or designer.

Pre-requisite: ADR492

AGD314 - Illustration and Visual Narrative

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course provides students with the opportunity to design and develop character and environment for visual narratives. Through examination of historical and popular culture narratives, students will learn to identify key aspects of character and environment design and to use visual storytelling techniques to communicate concepts to an audience. This course is suitable for students with an interest in animation, illustration, conceptual design, film, comics, motion graphics and visual communication.

AGD351 - Graphic Design I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course provides a basic understanding of Graphic Design roles and responsibilities. It explores the visual language and relationships, of typography and imagery, graphic design history, and introduces students to critical topics that affect the graphic design industry today. Students solve design problems, construct layouts using vector graphics and photography combined with type, and learn how to present to an audience.

Pre-requisite: ART251

AGD352 - Graphic Design II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This course further explores visual language and relationships, including the interaction of typography and imagery in icon design as well as in layouts for lengthy documents. Students solve design problems and learn how to present to an audience. Student learn visual communications design processes and acquire a foundation of context sensibility and social responsibility.

Pre-requisite: AGD351

AGD355 - Designing with Color

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

A course devoted to the development of the perception of color and its use as a tool for the graphic designer. Exercises are given that test the appearance of color relationships in complex structures. Class sessions alternate between working in a studio workshop and critiques of assignments.

AGD356 - Typography I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This is an introductory course on the subject of typography in which the principles of typography are examined through the study of letterform anatomy and construction, type composition, and the history of typography. Dealing with both the Latin and Arabic alphabets, students examine the use of type as a created social symbol for communication as well as type as object form.

Pre-requisite: ART251

AGD357 - Designing for the Web I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

In this course the flexibility and potential of the Web are explored. The course provides students with an introduction to user experience and user interface design and instructs them to apply the principles of design (such as layout, typography, and color).

Pre-requisite: ART251

AGD358 - Design for Social Change

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

Over the past decade, the notion of “design for social change” has become a relevant component of professional practice, with designers utilizing creative tools and methodologies to address complex social, humanitarian, and environmental needs. Social design brings together designers from varying disciplines to collaborate with clients, educators, philanthropists, and corporations to address the complex needs of the diverse community. In response, this course places particular emphasis on how social responsibility is presented in an interdisciplinary professional design practice in the UAE, and how we, as designers, can contribute to positive social change. Students examine how design can be a significant driver in raising awareness on a global scale, while also focusing on local issues such as heritage, environment, cultural identity, and health.

Pre-requisite: ART201 or ART205

AGD359 - Information Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This course investigates visual systems, which communicate complicated information through the combination of notational, visual, and structural forms such as diagrams, graphs, and charts. Aesthetics and strong visual communication criteria are used in analyzing and creating.

Pre-requisite: ART251

AGD451 - Graphic Design III

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

Students will explore and learn a concept of sustainable brand system including naming, logo development, stationery, signage, promotional material, small-scale campaign with poster, and social networking for event announcement. They

will refine their design process: research, collaboration, conceptualization, applications, production, interaction with public, presentation, and expanding their understanding of context sensibility and social responsibility.

Pre-requisite: AGD352

AGD452 - Packaging Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This is a course in designing and identifying graphic communication for packaging structure. Although some experimentation is done with package design, with an emphasis on the use of type symbols and images on forms and surfaces in three dimensions. Printed materials including prototypes, will be developed from concept up to production.

Pre-requisite: AGD351

AGD453 - Graphic Design IV

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

The goal of this course is to provide students with skills related to industry practice that recent graduates in graphic design often lack, such as type specification, pre-production file formatting, communicating with printers and following a job through production, understanding business ethics, and costing. Students will be introduced to the organizational structure of design firms, agencies, etc. and be able to differentiate between the various professional roles in a design business and their integration. Students will also understand the requirements of working as a freelance designer, and learn how to create accurate estimates for design briefs. The course will discuss various platforms that a graphic designer could work within such as for-profit commercial or consumer design and non-profit service design.

Pre-requisite: AGD451

AGD456 - Typography II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This is an advanced Typography course in which students gain theoretical knowledge on typeface design, while they develop and produce individual and unique typefaces in Arabic and Latin. Incorporating skills from Typography I, students research and develop a typeface with a series of fonts that will provide a solution to a visual communication problem. Students will acquire the advanced understanding techniques, and skills required in the workplace.

Pre-requisite: AGD356

AGD457 - Designing for the Web II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

This course offers an advanced understanding of web design that is specific to the interactive need of the client. Students will learn how to integrate web design into the entire graphic design experience from identity design to campaign development. Along with an intermediate understanding of CSS, students will have advanced understanding of how to assess the characteristics of both the client and audience in order to create effective websites. Students will create operational site architectures after assessing the needs of the project and then work through effective design that matches the client/audience expectations.

Pre-requisite: AGD357

AGD459 - New Media Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours
Schedule Type: Studio

New Media introduces the student to a range of interactive, animation, video, and audio tools. The goal of the course is to teach the fundamentals of storyboarding, narrative, and non-linear structures, combined with basic software applications to manipulate and create time-based, interactive media, motion graphics, and the creation and study of design themes of application creation for tablet and mobile devices.

Pre-requisite: AGD351

AID279 - CAD I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course is an introduction to the principles and techniques of digital drafting. Through a series of exercises students will be made familiar with the production of digital plans, sections, elevations, and details commonly used in Interior Design projects. Students will also be introduced to document management as well as to print procedures.

Pre-requisite: ART201 or ART205

Co-requisite: AID287 and AID311

AID287 - Interior Design Studio I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This beginning Studio introduces students to the field of Interior Design. Projects will include aesthetic issues and practical studies of small-scale interior environments such as residential spaces. The study will include an introduction to interior design styles, and an in-depth analysis of each room focusing on its aesthetic, space planning, lighting, color, and materiality. The studio will introduce the basic surveying skills and representation tools in order to prepare design solutions.

Pre-requisite: ART201 or ART205

Co-requisite: AID279 and AID311

AID311 - Drawing for Designers

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This drawing course introduces the students to the principles of drawing applicable to Graphic and Interior Design. Emphasis is given to the development of drawing as design with a wide array of assignments that involve analytical translations of imagery, objects and spatial environments using a diverse set of drawing materials, techniques, and conventions. The content will concentrate on the design process from initial concept sketches through formal presentation drawings and visualizations.

Pre-requisite: ART201 or ART205

Co-requisite: AID287 and AID279

AID336 - Interior Design Studio II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This studio continues the content and purpose of Interior Design Studio I, with increased emphasis on design development and physical and technical resolution. The studio will cover intermediate design issues including project and client analysis, programming, space planning, and design development to understand materials, finishes selection as well as lighting and color investigation. Digital media are integral to the studio, and students receive continued instruction and practice in software appropriate for design.

Pre-requisite: AID287 and AID279 and AID311

Co-requisite: AID337 and AID379 and AID391

AID337 - Color and Light Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

The aim of this course is a study of color and light, its effective use in design, and methods to employ these properties in different applications. The course would have a theoretical as well as studio component.

Pre-requisite: AID287

Co-requisite: AID336 and AID379 and AID391

AID379 - CAD II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course is built upon the principles and techniques of digital drafting introduced in AID279. Students will further be made familiar with advanced concepts of CAD such as the generation of 3D content for axonometric and perspective drawings. presentation and layout techniques as well as innovative concepts such as digital model making and Building Information Modeling will be explored.

Pre-requisite: AID279

Co-requisite: AID336 and AID337 and AID391

AID385 - Interior Design Studio III

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This intermediate studio introduces students to the impact of color and light on the quality of spatial planning, quality in the context of color and light study. The design development and construction phases will focus on exploring the affect of light and color on human behavior and different responses with in diverse interior spaces. Students will be required to carry out a series of physical analog and digital modeling to establish outcomes and deliverables.

Pre-requisite: AID336

Co-requisite: AID387 and AID388

AID387 - Furniture Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

The course will be exposing students to furniture design history and theory, furniture typologies, manufacturers and designers. Individual furniture pieces will be analyzed and a original furniture prototype developed and built. The design and production process of furniture will be explored, emphasizing the sequential development of a furniture piece from early design sketching and concept development on thru to production delineation and the appropriate selection of materials, details and methods of construction. Course will encourage creative thinking and expose students to relevant design theory, human behavioral theory, ergonomics and anthropometrics, and global challenges such as sustainability, buildability, and global resources.

Pre-requisite: AID336 and AID391

Co-requisite: AID385 and AID388

AID388 - Environmental Control Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Interior design shares an increasingly complex and crucial role for creating healthy, safe, and comfortable interior spaces for human habitation. This course introduces students to the basic principles needs and options for the selection and the design of sustainable environmental control systems. Additionally, students will become familiar with a broad range of environmental issues such as heating and air conditioning systems, water and waste, thermal comfort, HVAC systems, electricity, lighting, security and communications systems, fire safety, and transportation systems.

Pre-requisite: AID391 and AID336

Co-requisite: AID385 and AID387

AID389 - Basic Architecture

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

AID389 is the study of the basics of architecture, from architectural terminology to small architectural projects. The course will have a theoretical as well as a studio component. Subjects that will be covered include regular and irregular forms, dimensional transformation, subtractive forms, additive and subtractive forms, form-defining spaces, basic variations of openings, spatial relationships, and circulation elements.

Pre-requisite: AID287

AID391 - Interior Design Materials and Construction

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

The focus of this course is to introduce students to basic building materials, and the development and coordination of constructing interior spaces. The main topics of the course include floor systems, partitions, ceiling systems, wood cabinetry, stair and ramp design and construction. Lectures and presentations will introduce materials and detailing, technical assembly, specifications, and means of construction as an integral part of design development.

Pre-requisite: AID287 and AID279 and AID311

Co-requisite: AID336 and AID337 and AID379

AID477 - Advanced Modeling, Lighting and Rendering

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This advanced level course complements the skills learned in 3D Modeling and offers an insight into more complex lighting and rendering techniques to create high quality renderings. Emphasis will be given on the creation of realistic images of interior, exterior, and studio scenes.

Pre-requisite: AAD375 or AID379

AID486 - Interior Design Studio IV

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course follows and builds on Interior Design Studio III and is structured to provide students the opportunity to select a current topic to study in the interior design field, and to integrate all aspects of design including: technology, construction methodology, and representation through various scales of in depth investigations.

Pre-requisite: AID385

ANT261 - Introduction to Culture and Society

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is an introduction to major theoretical debates, key concepts and methods of analysis in the social sciences and humanities. It aims at providing students with the theoretical tools to analyze complementary and contrasting viewpoints about people, societies, cultures and ideas, and their interactions across time. Drawing its examples from everyday life, literature, popular culture and other sources of cultural expression, the course invites students to critically engage with pressing issues of today's world, including questions of power and authority, identity, gender, race and class.

ANT301 - Geography: People, Places, and Power

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Examines the relationship between geography, power and people. We learn the basics of geography and map reading and then explore how the search for natural resources (e.g., salt, spices, oil) has cut up the earth into countries and political spheres.

ANT302 - Cities: Culture, Space, Sustainability

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course investigates the forces that shape the conditions of urban development and the creation of cities in comparative and interdisciplinary perspective. The course examines trends in today's emerging "global cities," particularly in the Gulf. Readings will focus on issues of cultural politics social space, mobility and the built environment sustainable urban development, marketing and branding, and heritage and tourism.

ANT314 - Peoples of the World

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Surveys major cultural norms and values of different ethnic groups to determine patterns of their similarities and differences in our modern world society. Adopts a regional comparative approach that combines analysis and synthesis of characteristics that are distinctive to principal world cultures.

ANT328 - Critical Thinking

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The primary goal of this course is to encourage students to develop their critical thinking skills by moving them through a series of cognitive or ontological shifts. This is accomplished by a succession of readings, each of which crucially builds on the previous reading and illuminates the topic of choice in a radically new way, so that earlier texts have to be reconsidered in the light of later texts. Instructors are free to choose their own topic and readings, but each version of the course should seek to change students' thinking about one basic cultural phenomenon.

Pre-requisite: HIS251 or SOC326

ANT362 - Popular Cultures

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will investigate the intersection between everyday life, mass media, and broader political and historical contexts in different societies, in order to understand the role and evolution of popular culture. We will look at a broad range of societies, including those in the Arab States of the Gulf and the UAE. The course begins with an attempt to conceptualize the notion of culture, and then examine how meaning is created and received through various forms of popular media and cultural expressions such as film, television, music, advertisement, novels, food, and the Internet. We will then familiarize ourselves with key theoretical contributions and methodology drawn from a range of disciplinary approaches. Finally, we will analyze the relationship between globalization as a multidimensional process and popular culture.

ANT384 - The Anthropology of Tourism and Heritage

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the development of tourism historically within the conceptual framework of anthropology. Issues covered will include the impact that tourism has upon the people and cultures visited, the nature and relationship of culture to tourism, the re-creation and manufacture of heritage for tourists and the performance of cultural acts through orchestrated dance, song, and festivals. Special attention is given in the latter part of the course to tourism in the U.A.E. and the issues of authenticity that it raises.

ANT385 - Bedouin Society

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the nature and characteristics of tribal society generally and Bedouin society specifically using anthropological perspectives and theories. After establishing an understanding of nomadic pastoralism historically and cross-culturally, the course will focus on the nature of modern tribal societies.

ANT430 - World Regions: Americas

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the Americas through a review of the key political, historic, economic, social, and/or cultural issues. Students evaluate various regional challenges, historical or contemporary in nature, using interdisciplinary methods and sources. The course also seeks to analyze the extent to which different nation-states and/or cultures within the same region respond to specific challenges. In this way, Students will, develop a more profound appreciation of the region's diversity and unique qualities.

ANT431 - World Regions: Europe

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines Europe through a review of the key political, historic, economic, social, and/or cultural issues. Students evaluate various regional challenges, historical or contemporary in nature, using interdisciplinary methods and sources. The course also seeks to analyze the extent to which different nation-states and/or cultures within the same region respond to specific challenges. In this way, students will, develop a more profound appreciation of the region's diversity and unique qualities.

ANT432 - World Regions: Middle East

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the Middle East through a review of the key political, historic, economic, social, and/or cultural issues. Students evaluate a various regional challenges, historical or contemporary in nature, using interdisciplinary methods and sources. The course also seeks to analyze the extent to which different nation-states and/or cultures within the same region respond to specific challenges. In this way, students will, develop a more profound appreciation of the region's diversity

and unique qualities.

ANT433 - World Regions: South Asia

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines South Asia through a review of the key political, historic, economic, social, and/or cultural issues. Students evaluate various regional challenges, historical or contemporary in nature, using interdisciplinary methods and sources. The course also seeks to analyze the extent to which different nation-states and/or cultures within the same region respond to specific challenges. In this way, Students will, develop a more profound appreciation of the region's diversity and unique qualities.

ANT434 - World Regions: East Asia

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines East Asia through a review of the key political, historic, economic, social, and/or cultural issues. Students evaluate various regional challenges, historical or contemporary in nature, using interdisciplinary methods and sources. The course also seeks to analyze the extent to which different nation-states and/or cultures within the same region respond to specific challenges. In this way, students will develop a more profound appreciation of the region's diversity and unique qualities.

ANT435 - World Regions: Africa

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines Africa through a review of the key political, historic, economic, social, and/or cultural issues. Students evaluate various regional challenges, historical or contemporary in nature, using interdisciplinary methods and sources. The course also seeks to analyze the extent to which different nation-states and/or cultures within the same region respond to specific challenges. In this way, students will develop a more profound appreciation of the region's diversity and unique qualities.

ANT436 - World Regions: Mediterranean

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the Mediterranean through a review of the key political, historic, economic, social, and/or cultural issues. Students evaluate various regional challenges, historical or contemporary in nature, using interdisciplinary methods and sources. The course also seeks to analyze the extent to which different nation-states and/or cultures within the same region respond to specific challenges. In this way, students will develop a more profound appreciation of the region's diversity and unique qualities.

ANT455 - People and Cultures of the Middle East

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores the social and cultural similarities that Middle Eastern societies share and the many differences that separate regions and countries. We study a wide range of social, historical and political influences that have shaped the modern Middle East.

APL341 - Learning English in Schools

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores theories of language acquisition in relation to English Language Learners, and the role of learner variables in language learning. Foundational areas in language pedagogy are analyzed, including comprehensible input, interaction and output, as well as instructional conversations and negotiation of meaning. The course also examines strategies for content and language integrated teaching and learning.

ARA130 - Arabic Concepts

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Arabic Reading Skills (ARA 130) is an Arabic language course that aims to advance students' proficiency in reading, writing

about reading, and speaking skills, through critical engagement with selected multidisciplinary texts that focus on certain reading genres and skills. Each text is followed by interactive questions and drills. At the end of each unit, student will also have the chance to review some basic linguistic information: orthographic, semantic, syntactic, and stylistic. The course will help students streamline their academic language skills in order in order to demonstrate comprehension and to respond effectively to texts in Modern Standard Arabic. They will learn how to analyze and sort out information, find evidence and evaluate its quality, organize ideas, use the appropriate word choice, create meaningful sentences, and connect all in convincing and coherent arguments.

ARA211 - Masterpieces of Arabic Literature

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Presents a selection of Arabic literature through different periods and varied regions that have been widely accepted as literary masterpieces. This literature portrays deep human feelings and attitudes toward life and existence, and provides students with a wonderful opportunity to study these works in-depth, to analyze them critically and to understand their places in world literature.

ARA222 - Muslim Travelogue Literature

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course introduces students to authentic travel accounts, geographical treatises and anthropological texts written by Muslim travelers, from Ibn Fudlan (4th/9th century) to Ibn Jubair (8th/14th century). It examines the nature of travelers' mental and geographical mapping of the world, their reaction to cultural differences within Islamic societies. Finally, Muslims' contributions to the development of geography are discussed.

ARA235 - Principles of Translation

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course teaches the basic techniques of translation. It helps students gain a better understanding of the main concepts and approaches in the discipline of translation studies and proposes a methodology which is discussed and used in practice. It provides students with confidence and competence in the practice of translation from English into Arabic. It offers comprehensive training using a range of sources in English. The course also examines electronic translation and the utilization of modern technologies in the translation process.

ARA335 - Teaching Arabic Literacy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines techniques for teaching reading writing, speaking, and listening to young native speakers. The course considers emergent literacy and the development of literacy as it relates to teaching practices. It aims to enable students to use Arabic vocabulary correctly to write reports, comments, and summaries, and to analyze and criticize texts in Arabic soundly.

ARA345 - Advanced Arabic Skills

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course aims to develop students' writing skills in Modern Standard Arabic (MSA) with a focus on the writing genres. The course's primary focus is on developing students' academic and professional writing skills with specific attention paid to argumentative writing, comparative writing, causal writing, functional and creative writing. Writing in this course will be preceded by extensive reading of texts from the modern literary, scientific and academic genres which will give students the knowledge needed to write.

ARA380 - Modern Arabic Syntax

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course covers Arabic grammar, syntax and morphology and is designed to help students achieve advanced levels in most forms of communication in modern standard Arabic.

Building on the linguistic skills developed in the Arabic courses in the General Education, the course is designed to increase the students' knowledge of Arabic grammar, syntax and morphology as tools for better communication. Faculty guided practices will help students in developing clear, concise and effective writing; structural accuracy and professional vocabulary acquisition. Special emphasis will be placed on the use of modern ways of teaching these subjects, particularly technology-based means.

ARA415 - Advanced Arabic Professional Writing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course aims at developing students' reading and writing skills in the fields of Media: Advertising, sales promotion, marketing, and public relations. Students will develop the ability to convey clear messages that can be adapted to all needs of various forms of media and meet expectations of target audiences. Students will be trained to read, evaluate, discuss, analyze, and critique various published materials in Arabic newspapers and magazines. Emphasis will be placed on enhancing the skills of re-writing and summarizing the read texts. To achieve these objectives, advanced proficiency in Arabic will be stressed. Students will have a fair command of varied vocabulary, succinct and concise style and syntax.

ARM240 - Media Storytelling in Arabic I

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

This course covers the basics of writing for multi-platform media in Arabic. It discusses storytelling and presentation forms and methods for print, broadcast, online, and social media. Emphasizes the basics of writing accurately and concisely in Arabic.

ARM340 - Media Storytelling in Arabic II

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

Advanced course of writing for multi-platform media in Arabic. Focus on professional media writing in specialized contexts, such as feature writing, writing for television, radio, online, public relations and promotional writing.

Pre-requisite: ARM240 or ARA240

ARM375 - Public Speaking and Professional Presentation in Arabic

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

This course will help students develop an understanding of the fundamentals of public speaking and persuasion in Arabic. Students will learn how to speak confidently and effectively as well as deliver a persuasive message in a variety of public speaking situations. Particular attention will be paid to elements of ethics, delivery persuasion, research, and use of technology in public speaking.

ARM390 - Professional Social Media (in Arabic)

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

With the increasing emphasis on improving the skills of utilizing social media, there is an irrefutable need for media and marketing professionals and organizations to have social media expertise. The purpose of the course is to provide a basic understanding of the reasons behind the widespread popularity of SM platforms. In doing so, the course will consider the role of individual choice, social influence, technological influence, and how these three perspectives can be combined. Through case studies, interactive sessions, workshops and class exercises, students will learn how to write and produce materials in Arabic for social media. The course will also guide the students on how to administrate social media accounts, to measure its effectiveness using digital tools and to utilize social networking platforms to enhance their overall experience.

ARM395 - Media Translation Workshop

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: CCMS Practica

Students learn the fundamentals of translation and receive ample translation practice to enhance skills in translating

media texts from English to Arabic. Extensive exercises are provided for translating simple and complex media texts from print, broadcast, online, and public relations. Topics include translation of news items, columns, editorials, scripts, news releases, and promotional messages.

ARM400 - Advanced Communication Skills

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

This course is designed to further develop student's communication skills in the digital age. It will provide them with strategies needed to become effective communicators in academic and various professional settings. Students will expand their Arabic vocabulary and enhance their knowledge of the best usage of communication skills via practical activities, role plays, listening and speaking. The courses focus on developing both speaking and writing communication skills in various digital platforms. This advanced course focuses on communication in the context of information flow, control and decision-making to provide the students with clear, practical and powerful communication tools in their future career.

ART201 - Principles of Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This is an introductory course that focuses on the basic visual concepts of two-dimensional and three-dimensional design. The aim of this course is to teach the student how to develop an understanding of the fundamentals of the visual language used in art and design, and how to use this vocabulary to effectively communicate and convey visual ideas.

ART205 - Art Foundations

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course introduces the student to the basic skills of drawing, painting, sculpture, and printmaking, which will act as a solid foundation for all future courses in the Fine Arts. Students will familiarize themselves with a variety of methods and processes in the use of diverse materials and technologies for art and design communication. The course will explore materials and equipment appropriate to each medium.

ART220 - Introduction to Art History

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course reviews the history of the development of art and architecture. It is designed as an introductory art history course with a thematic approach to understanding art and architecture, and a chronological examination of the sequence of art history.

ART221 - Research Methods for Artists and Designers

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course reviews the variety of research methods commonly used by artists and designers, including information literacy with a focus on the subject specific conventional and electronic resources available through the university library, and the different processes artists and designers use for needs assessment, documentation, creative development, and presentation.

ART223 - Arts of the Modern World

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Introduces students to the historical development of the visual and spatial arts from the beginning of the modern period in approximately 1850 to the present age.

Pre-requisite: ART220

ART251 - Basic Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This is an introduction to the fundamental principles of graphic design. Students will gain hands-on experience with the most commonly used software packages in the field and will develop skills and concepts such as problem-solving, visual communication, research, typography, concept and design development. Students will also learn about the basics of media

literacy and criticism. This course is designed to introduce the Adobe suite (Illustrator, Photoshop & Indesign) to students at a beginning level. The projects introduce software in the context of design concepts and principles - it is ideal for students to have ART 201 before they enter this course. Each project escalates in intensity and complexity, allowing the students to develop a working knowledge of the design process in relation to the technology.

Pre-requisite: ART201

ART297 - Special Topics in Art and Design: Intermediate

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course allows faculty to introduce a new course into the curriculum, on a limited basis, to art programs on the junior level. The course is designed to take advantage of conditions or opportunities that might be temporary, for example, a course involving a visiting artist or local event.

ART395 - Independent Study

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Independent Study (Individual Study)

This course is offered on the intermediate level in special instances whereby a student designs an individualized, unique course with a faculty member. This course can be developed only by the department chair's approval and does not serve to replace any other course requirement in the department.

ART397 - Special Topics in Art and Design

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course allows faculty to introduce a new course offering, on a limited basis, to art programs at the intermediate level. The course is designed to take advantage of conditions or opportunities that might be topical: for example, a course involving a visiting artist or local event.

ART490 - Internship

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Internship

This course is an opportunity for students to gain practical experience of the workplace relevant to their program with employers in the public or private sector. Internships are intended to match the academic background and strengths of students, their interests and future career ambitions.

Pre-requisite: COM210 or ADR405

ART495 - Independent Study

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Independent Study (Individual Study)

This course is offered on the senior level in special instances whereby a student designs an individualized and unique program with a faculty member. This course can be developed only with the Dean/Associate Dean's approval, and does not serve to replace any other course requirements in the department.

ART496 - Senior Project

6 Credits, 0 Lecture, 0 Lab, 2 Other hours

Schedule Type: Senior Project (Undergraduate)

The Senior Project is an advanced course, which enables the student to show both the depth and breadth of their conceptual and technical abilities to conceive, develop and present an original project in their area of study. Guided by the research and insights accomplished in their prior semester's Senior Research Seminar course, the student visually translates that understanding and information into final visual form within the professional parameters of the student's program. The senior project should evidence independence, inventiveness, and a level of maturity, awareness, competence and confidence consistent with an emerging professional artist or designer.

Pre-requisite: ADR492

ART497 - Special Topics in Art and Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course allows faculty to introduce a new course offering, on a limited basis, to art programs at the senior level. The course is designed to take advantage of conditions or opportunities

that might be topical: for example, a course involving a visiting artist or local event.

AVA309 - Digital Illustration

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

Digital Illustration is a standard and necessary manner of working with image generation. It is an efficient and professional set of skills to develop. This course is an introduction to the fundamental techniques used in digital illustration. Students will learn how to create effective images that retain a textural complexity while utilizing the various digital tools in an illustrative manner. The course will cover the use of digital collage, digital painting and generating professional work from the students own means. Students will construct effective communicative images. Students will use digital illustration methods to explore the use of tone, line, colour and texture.

AVA310 - Drawing I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

The focus of this course is to consider and explore the proposition that the act of drawing can be used as an expressive and creative tool to rationalize the world through an artistic pathway. This notion is introduced and developed by practical investigations of some basic drawing skills and techniques used in art.

Pre-requisite: ART205

AVA312 - Painting I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

The aim of this course is to develop the basic skills, techniques and processes of painting with an understanding of basic color principles. The integration of paint application and color principle develops an awareness that painting and color are used not only as mediums for representation, but also as mediums for expressive purposes. Artists' paintings are analyzed to understand their reasons for using particular techniques/materials, use of color and conceptual content.

Pre-requisite: ART205

AVA313 - Drawing II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course builds upon the observational and technical skills learned in Drawing I (AVA310) and assists in applying these skills to a conceptual framework. It stresses the expressive and conceptual aspects of drawing, including advanced composition arrangements and the development of an individual approach to theme and content, with a focus on materials and experimental media.

Pre-requisite: AVA310

AVA315 - Sculpture I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This is an introductory sculpture course in which students learn the basic use of tools for the execution of sculpture, including mold making, woodworking, metal fabrication, mounting and installation of relief and free standing sculpture. Students are also exposed to basic sculpture concepts, which provide a general survey of sculptural studio practices.

Pre-requisite: ART205 or ART201

AVA316 - Ceramics I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

The emphasis of this introductory course is learning to create original work while exploring the physical properties of clay. The expressive potential of clay becomes apparent through increased awareness of historical and contemporary ceramic art, and through the use of the basic ceramic techniques of forming, glazing and firing. A knowledge of basic tools and equipment is acquired through the hands-on use of basic equipment including: clay extruders, potters wheels, and electric kilns.

AVA317 - Storyboarding

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course emphasizes story and concept development. Various techniques for creating a storyboard will be explored. Students will also create animatics that will establish the story timing based on the previously created storyboards.

AVA318 - Three-Dimensional Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course is an introduction to three-dimensional design concepts. Students investigate the forces that influence the design of objects and spaces including, but not limited to, art objects. Natural forces such as the earth's gravity affect our perception of balance, poise gesture and weight. Cultural influences, materials and structure are all areas of thought and information which can be directly applied to this course. The various assignments are intended to allow you to develop artistically and creatively within a given framework.

AVA319 - Introduction to Jewelry Design

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course offers an introduction to the basic principles and skills used in jewelry design. Students will be introduced to the fundamental technical, conceptual, and aesthetic issues involving jewelry. Through a series of explorations and technical exercises students will learn a broad range of processes and materials, progressing from the simpler to the more complex projects.

AVA340 - Photography I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

An introduction to the standards of still imaging with a balanced emphasis on practical, technical, aesthetic, and conceptual skill sets. The student will gain general experience in digital photography through lectures, demonstrations, videos, assignments, practice, readings, critiques, and research. The curriculum emphasizes craft, photographic vision, and visual problem solving using a digital SLR and digital darkroom processes. Visual design concepts along with historical and contemporary photographic images will be stressed with an emphasis on the traditional rules of composition and photographic design.

Pre-requisite: ART201 and ART205

AVA341 - Photography II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

Through a wide array of topics, emphasis is placed on digital image capturing and the use of the computer as a parallel tool to traditional photographic practices. An introduction to non-silver processes such as photo screen-printing, van dyke brown, and cyanotype printing, are also explored. Students are expected to develop a solid understanding of digital imaging practices and an adaptable approach to emerging technologies.

Pre-requisite: AVA340

AVA342 - Introduction to Studio Lighting

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course is a survey of the effects of light on the photographic image – angle, brightness, contrast, color temperature, and diffusion/concentration. Explorations will include working with natural light on through to studio lighting.

Pre-requisite: AVA340

AVA345 - Digital Video I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

Using video as a means for studying basic techniques of filmmaking and 2D animation, students develop universal skills of expression and storytelling, and an understanding of the fundamental language and processes of digital video, from conception to final video edited works. Students learn basic digital video filming techniques including linear and nonlinear editing with Final Cut Pro software as they shoot and edit a series

of 3 short individual and 1 team project. Artistic, narrative and non-narrative genres are all explored. conceptual development, narrative development, story-board development, lighting and camera techniques. Production practices include: editing, audio development, shooting, lighting, scene development, and export/output techniques.

Pre-requisite: ART251 and ART201 and ART205

AVA346 - Digital Video II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

Students create video projects based on individual direction. Additional development in the use of lighting, audio and editing software, as well as motion graphics and compositing techniques are explored.

Pre-requisite: AVA345 or MPS321

AVA360 - Printmaking I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course introduce students to the basic skills and processes of a variety of print making techniques such as the monotype, relief, intaglio and planographic methods. Students will familiarize themselves with the print studio, exploring issues of printed multiples as they relate to their current body of work. Learning the basic processes and transforming them into a mode for personal creative expression will be the main focus of this course.

Pre-requisite: ART205

AVA363 - Printmaking II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course will investigate contemporary trends in printmaking, building upon the traditional skills learned in Printmaking I. Students will investigate advanced color methods such as viscosity printing, 4 color separations, and will work with digital photomechanical processes through multiple plate printing and cross media applications. Students are expected to develop a body of work that articulates a sophisticated concept and clear personal vision.

Pre-requisite: AVA360

AVA365 - Digital Printmaking

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course will introduce students to the skills and processes of advanced digital printmaking techniques. Students will familiarize themselves with the print studio, exploring issues of printed multiples as they relate to their current body of work. Students will be introduced to pronto plate lithography, screen printing, inkjet printing, and solar plate intaglio. Learning these processes to create prints and transforming these processes into a mode for personal creative expression will be the main focus.

AVA366 - Book Structures I

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course builds upon previously learned skills and concepts, using various book structures as mediums of artistic creation. Students will familiarize themselves with a variety of binding techniques including basic codex creation, Japanese stab binding, accordion structures, and additional forms. Students' use of diverse materials and methods to express themselves in an intelligent and creative manner is emphasized.

Pre-requisite: ART201 and ART205

AVA410 - Drawing III

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course concentrates on the idea that drawing is necessary for artists and designers to visualize ideas and thought, and to translate and interpret objects and environments into visual forms for communication. The course looks at drawing as a problem-solving process, investigating, synthesizing, describing, and expressing concepts about the world.

Pre-requisite: AVA313

AVA411 - Painting II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

The aim of this course is to build on and further develop the concepts, skills and techniques acquired from AVA312 Painting I. The formal elements of painting, composition and color are further explored and extended through various subject matter. The course starts with a traditional approach to observational painting studying composition and balance with emphasis on the use of local color. Assignments progress to more self-expressive techniques of observational painting, using image distortion.

Pre-requisite: AVA312

AVA415 - Mixed Media

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

Through a series of lectures, demonstrations, studio work, class discussions and critiques, this advanced visual arts course will review and build upon the knowledge learned in previous 2D and 3D studio courses such as drawing, painting, sculpture, photography, digital media, printmaking, bookmaking, video, etc...Students will familiarize themselves with a variety of new techniques and processes while learning to express their concepts by combining one or more diverse art mediums as previously listed, but not limited to those above. Working with a variety of combined processes and mediums and transforming them into a mode for personal creative expression will be the main focus of this course.

Pre-requisite: AVA310

AVA416 - Ceramics II

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

This course builds upon the skills developed in Ceramics I. The primary emphasis is on developing hand building techniques and methods leading to well-developed finished pieces by the end of the semester. Students will explain or justify themes and aesthetic decisions, making connections to historical and contemporary art history and current events (local as well as global) whenever possible.

Pre-requisite: AVA316

AVA418 - Installation

3 Credits, 0 Lecture, 6 Lab, 0 Other hours

Schedule Type: Studio

In this advanced studio course students examine the contemporary field of site-specific installation art and are introduced to a number of different media, the use and experience of public and private space, and the specific sites utilized for projects. Students explore techniques and mediums, including performance, photography, painting, drawing, video sound, and sculptural materials.

Pre-requisite: ART201 and ART205 and ART251

BIO201 - Biological Concepts I

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

The course will be a general introduction to the fundamental principles of cellular, molecular, and developmental biology, as well as genetics and evolution. It provides an overview of the cell structure, energy and metabolism, photosynthesis, cell communication and cell division. It introduces students to the structure and function of the chemical building blocks of life; including the relationship between nucleic acids and proteins and how these molecules are synthesized and integrated into multicellular systems. Topics also covered will include the origin of life and the theory of evolution, classification of organisms and the main characteristics of the three domains of life (viruses, prokaryotes and eukaryotes), invertebrates and vertebrates.

BIO202 - Biological Concepts II

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

A study of the anatomy and physiology of plants and animals covering their structure, growth, nutrition, transport, reproduction, development, and control systems. This course

focuses also on the relationships between structure and function and stresses the evolutionary adaptation and changes in the different systems of the major plant and animal groups.

Pre-requisite: BIO201

BIO210 - Biological Concept I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course will be a general introduction to the fundamental principles of cellular, molecular, and developmental biology, as well as genetics and evolution. It provides an overview of the cell structure, energy and metabolism, photosynthesis, cell communication and cell division. It introduces students to the structure and function of the chemical building blocks of life; including the relationship between nucleic acids and proteins and how these molecules are synthesized and integrated into multicellular systems. Topics also covered will include the origin of life and the theory of evolution, classification of organisms and the main characteristics of the three domains of life (viruses, prokaryotes and eukaryotes), invertebrates and vertebrates.

Co-requisite: BIO211

BIO211 - Biological Concept I Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course introduces students to basic techniques and safety practices in the laboratory in addition to an introduction to biological concepts, including chemical aspects, photosynthesis, microscopy and mechanisms of heredity. There are specific experiments and demonstrations that will stress the importance of the scientific method. Students will explore unifying concepts in biological science while developing key investigative skills necessary for hypothesis testing and scientific exploration.

Co-requisite: BIO210

BIO220 - Biological Concepts II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

A study of the anatomy and physiology of plants and animals covering their structure, growth, nutrition, transport, reproduction, development, and control systems. This course focuses also on the relationships between structure and function and stresses the evolutionary adaptation and changes in the different systems of the major plant and animal groups.

Pre-requisite: BIO210 and BIO211

Co-requisite: BIO221

BIO221 - Biological Concepts II Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course reinforces the concepts covered in Biological Concepts II (BIO 220) through practical experiments and revision of related topics on the anatomy and physiology of plants and animals. The structure, organization, growth, nutrition, transport, reproduction, development, and control systems of organisms in their evolutionary and taxonomical context will be explored. The course will also emphasize the development of practical skills required in a biology laboratory as well as basics of scientific writing, reporting and good laboratory practice.

Pre-requisite: BIO210 and BIO211

Co-requisite: BIO220

BIO321 - Human Physiology

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

Human physiology looks at the function of the human body and the general aspect of homeostasis. This survey course will cover the major systems of the body, including the nervous, endocrine, digestive, renal, circulatory, immune, cardiovascular and respiratory systems.

Pre-requisite: BIO201 and CHE201

BIO331 - Human Physiology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Human physiology looks at the function of the human body and the general aspect of homeostasis. This course will cover the major systems of the body, including the nervous, endocrine,

digestive, renal, circulatory, immune, cardiovascular and respiratory systems.

Pre-requisite: BIO210 and BIO211 and CHE210 and CHE211

Co-requisite: BIO332

BIO332 - Human Physiology Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

The human physiology lab explores the structure and function of human body systems. Through lab activities, this course covers aspects of cells, tissues, structures and body systems to consolidate students' understanding of physiological processes

Pre-requisite: BIO210 and BIO211 and CHE210 and CHE211

Co-requisite: BIO331

BIO351 - Ecology and Conservation Biology

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

A study of relationships, distribution and abundance of organisms, or groups of organisms in an environment. Topics include landscape, ecosystems, physiological, behavioral, population, community, and environmental ecology. An emphasis is placed on conservation biology and environmental mitigation measures. Laboratory/field work will be used to emphasize key concepts.

Pre-requisite: BIO202

BIO361 - Ecology and Conservation Biology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course focuses on the study of ecological relationships, and the distribution and abundance of organisms, or groups of organisms in an environment. Topics include landscape, ecosystems, behavioral, population, community, and environmental ecology. An emphasis is placed on conservation biology and environmental mitigation measures.

Pre-requisite: BIO221 and BIO220

Co-requisite: BIO362

BIO362 - Ecology and Conservation Biology Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

Through laboratory and field work, this course will emphasize the key concepts of ecological relationships, and the distribution and abundance of organisms, or groups of organisms in an environment. An emphasis is placed on evaluating key ecological concepts through applied and experiential learning.

Pre-requisite: BIO221 and BIO220

Co-requisite: BIO361

BIO372 - Microbiology

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

This course involves the study of the structure, genetics physiology, metabolism and ecology of selected microorganisms and examines their role as agents of disease.

Pre-requisite: BIO201 and CHE201

BIO382 - Microbiology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course involves the study of microorganisms with particular emphasis on the biology of bacteria, viruses and fungi. The structure, genetics, physiology, metabolism and ecology of microorganisms are covered. The pathogenic potential of specific organisms that are responsible of infectious diseases is explained. The beneficial impact of certain microorganisms in daily life is also examined. The focus of the course is not only to describe the role of microbes in diseases but also to understand the environmental importance of microbes and their use for food production, biotechnological and industrial applications.

Pre-requisite: BIO210 and BIO211 and CHE210 and CHE211

Co-requisite: BIO383

BIO383 - Microbiology Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This laboratory course involves the use of culture media to

isolate microorganisms collected from various sources and the application of diverse staining methods to examine bacteria using a light microscope. Students will practice and interpret the results of biochemical and antimicrobial susceptibility tests and will be taught the aseptic techniques to prevent microbial contamination while performing experiments.

Pre-requisite: BIO210 and BIO211 and CHE210 and CHE211

Co-requisite: BIO382

BUS207 - Business Communications

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will introduce students to the primary forms of communication in business organisations. A variety of strategies will be presented along with some of the technologies that support effective communication. This is an introductory course. It serves as the foundation for BUS407, BUS490, and BUS499. The aim of this course is to provide students with the opportunity to practice and develop clear, concise and effective communication skills per the expectations of the international business community. Students will develop intercultural awareness of audience and purpose within the business context. Special emphasis will be placed on structural accuracy and the prevention of communication breakdown.

Pre-requisite: ENG240

BUS407 - Corporate Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Students will explore some of the many facets of communication within the corporate world, and learn about how companies interact with their stakeholders, both internal and external.

Pre-requisite: BUS207 or CIT300

BUS491 - Internship

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Internship

An individualized assignment arranged with an agency, business or other organization to provide guided experience in the field.

CHE201 - General Chemistry I

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

This course is the first part of a two-semester general chemistry course. It covers basic principles of measurement and scientific method. Specific areas include: stoichiometry and reactions, gases, atomic structure and periodicity, and bonding. Various conceptual examples and numerous problem solving exercises are considered and recommended outside reading material is included.

CHE202 - General Chemistry II

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

This course is the second part of the two-semester general chemistry course. It provides an introduction to the basic principles of chemistry. Reactions and equilibria in chemical systems will be explored through their chemical thermodynamic and kinetics. Topics include acids and bases, precipitation and redox equilibria. In addition to lectures and problem solving, laboratory sessions are offered parallel to the course.

Pre-requisite: CHE201

CHE210 - General Chemistry I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is the first part of a two-semester general chemistry course. It covers basic principles of measurement and scientific methods. Specific areas include stoichiometry, chemical reactions, atomic structure, periodicity, and bonding. Various real-life examples and problem-solving exercises are considered to help reinforce understanding of basic chemical concepts.

Co-requisite: CHE211

CHE211 - General Chemistry I Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course introduces students to the basic chemistry laboratory techniques. This course aims to connect theoretical concepts of general chemistry to practical experiments. In this laboratory-based course students will learn how to use glassware appropriately, acquire the skills of measurement, and learn how to collect data from simple experiments. Students will also represent acquired data in the form of basic tables, graphs and reflect on their findings in laboratory reports.
Co-requisite: CHE210

CHE220 - General Chemistry II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is the second part of the two-semester general chemistry course. It provides an introduction to the principles of chemistry. Reactions and equilibria in chemical systems will be explored through their chemical thermodynamic and kinetics. Other topics include acids and bases, precipitation, solutions, solubility, and acid-base equilibria and electrochemistry.

Pre-requisite: CHE210 and CHE211

Co-requisite: CHE221

CHE221 - General Chemistry II Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course allows students to gain familiarity with laboratory techniques and apparatus, and to apply their knowledge of concepts from CHE220 in an actual laboratory situation. Emphasis is placed on techniques, properties and reactions, and reinforcing principles offered in the lecture portion of the course; solutions, kinetics, thermodynamics, acids and bases and acid-base equilibria. Students will also represent acquired data in the form of basic tables, graphs and reflect on their findings in laboratory reports.

Pre-requisite: CHE211 and CHE210

Co-requisite: CHE220

CHE331 - Biochemistry

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course provides an overview of the basic chemical processes of the human body. Course topics include amino acids, protein structure and synthesis, enzyme catalysis, lipids, carbohydrates, nucleic acid chemistry, metabolism, and bioenergetics. The course emphasizes recent developments in biochemistry and human health.

Pre-requisite: CHE365

CHE365 - Fundamentals of Organic Chemistry

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

An introduction to organic chemistry, the course focuses on the properties and reactions of common classes of organic compounds. The course also emphasizes structure, stereochemistry, and reaction mechanisms. Topics covered include aliphatic and aromatic compounds, alcohols, ethers, carbonyl compounds, amines, carboxylic acids and derivatives. The laboratory component introduces basic organic chemistry techniques and reactions.

Pre-requisite: CHE202

CHE375 - Organic Chemistry

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course covers principles of organic chemistry including structure, nomenclature, properties and reactions of common classes of organic compounds. Emphasis is placed on synthesis, transformation reactions and mechanisms. Topics covered include aliphatic compounds, alcohols, ethers, carbonyl compounds, amines, carboxylic acids and derivatives.

Pre-requisite: CHE220 and CHE221

Co-requisite: CHE376

CHE376 - Organic Chemistry Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This laboratory course reinforces principles of organic chemistry taught in CHE 375 including structure, properties and reactivities. The course introduces students to basic

organic laboratory techniques and reactions. Major topics include safety, record keeping, purification, separation and characterization techniques, and basic organic reactions.

Pre-requisite: CHE220 and CHE221

Co-requisite: CHE375

CHE471 - Environmental Chemistry

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course examines the qualitative and quantitative chemistry of the atmosphere, hydrosphere, and lithosphere. It covers topics on climate change, stratospheric ozone depletion, air quality and pollution, natural water and water pollution, toxic organic compounds, and toxic heavy metals. Local and current environmental issues are discussed where applicable.

Pre-requisite: CHE365

CIT210 - Essentials of IT and Infrastructure

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course provides an understanding of modern IT infrastructure and its supporting role in organizations in addition to introducing IT as a profession. It introduces hardware and software, operating systems, and essential network and storage technologies relevant to IT service performance, reliability, security and availability. The theory is accompanied by hands-on activities and labs using current digital tools.

CIT285 - Technical Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Provides an overview of the technical communication process and distinguishes technical communication for the IT discipline from other forms of communication. It introduces the fundamentals of planning, drafting and editing professional and technical texts, including proposals, reports, technical presentations, and communicating effectively with stakeholders orally and in writing. As teams are common in the IT professions, communication in teams is also addressed.

Pre-requisite: ENG240

CIT305 - IT in Global and Local Cultures

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course develops global awareness and communication skills with a focus on the impact of information technology on global and local societies. Topics include: ethics principles, ethical reasoning, and professional codes of ethics; privacy protection and the tradeoff between security and privacy; changing communications paradigms; responsible speech; intellectual property and its contemporary challenges; and IT enabled crime and issues of crime in cyberspace.

Pre-requisite: CIT300

CIT315 - Operating Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces fundamental concepts and algorithms related to operating systems. Topics cover fundamental data structures prevalent in most operating systems, processes management, memory management, storage management, as well as network and security management. Students will be exposed to different operating systems and their administration to practice the concepts discussed in the course. The most popular operating systems such as Ubuntu Linux, MS Windows, and MacOS will be used for this purpose.

Pre-requisite: SWE225

CIT365 - Database Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is centered around analysing and modelling information requirements, converting conceptual models into logical data models and applying normalization techniques to ensure consistency and avoid redundancy. Design and implementation of relational databases using an industrial-strength database management system and SQL (Structured Query Language) is the practical focus.

Pre-requisite: INS260 or CIT210 or

CIT372 - Cloud Computing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an understanding of the concepts and principles upon which cloud computing is built. It focuses on deployment models and techniques that would allow cloud providers to offer software, platform, and infrastructure as services (*aaS). Students will learn cloud computing concepts, principles, and technologies and use cloud services on a real cloud platform. Students will also examine critical issues in cloud computing such as security, privacy, business continuity, and return-on-investment.

Pre-requisite: INS260 or CIT210

CIT395 - Independent Study

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Independent Study (Individual Study)

The purpose of this course is to provide the student with an opportunity for an independent study of an information systems topic beyond what is covered in existing courses.

CIT460 - Systems Analysis & Design

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course details the systems development life cycle in terms of Planning, Analysis, and Design. Topics include analysing the business case, requirements modelling, data and architecture design, different development paradigms (agile, structured and object-oriented), and strategic development options. A twinned lab course (CIT461) provides hands on skill development through use of professional tools.

Pre-requisite: CIT365

CIT461 - Systems Analysis and Design Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course accompanies CIT 460 Systems Analysis & Design. It provides hands on practice with requirements modeling and data modelling from the perspective of two different paradigms: object-oriented and procedural. It puts emphasis on documentation by using CASE tools for diagramming and architecture design of specific business requirements. It covers topics discussed in CIT460, such as: business case analysis; requirements identification and writing; data modeling; object oriented modeling; Unified Modeling Language (UML); systems architecture design; development strategies; and cost analysis.

Pre-requisite: CIT365

CIT466 - Data Analytics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces the foundation concepts underpinning data analytics and knowledge discovery. This course equips students with the skills to use state-of-the-art tools and techniques for effective business decision-making. Building on the student's database knowledge, data mining tools will help in finding clusters and patterns of relationships in datasets. Clustering, classification, and regression will be among the core topics of this course.

Pre-requisite: CIT365

CIT470 - Applied Database Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course develops an understanding of the fundamental concepts of Oracle, the client/server Oracle architecture, and an overview of Oracle tools and utilities. The students will study a PL/SQL-Procedural Language, which will enable them to develop database business solutions using Oracle. The course is focused heavily on giving students a practical experience in developing Web-enabled database applications using Oracle.

Pre-requisite: CIT365

CIT480 - IT Entrepreneurship

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the concepts, practices, and challenges of

IT entrepreneurship. It equips students with the knowledge and skills to develop and evaluate their creative and innovative ideas based on the assumption that students will be working in the private sector or developing new units within a government institution. The purpose of the course is therefore to apply entrepreneurship concepts to cultivate the mindset and skills to start an IT enterprise and/or develop new units within IT organizations. Topics cover preparation of a full business plan taking into account legal, financial, marketing, social and ethical aspects relevant to initiating IT ventures.

CIT490 - Internship

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Internship

The internship provides the student with an on-the-job experience at a local company or government organisation. It offers students the opportunity to apply their knowledge and skills in real-life work environments and allows them to gain practical, professional and hands-on experience in the IT field. Students follow an agreed work plan over a defined period and are mentored by a supervisor on site. Students send reports to their university supervisor on a regular basis summarising their weekly activity. At the end of the period, students write and present a critical reflection on their internship experience and how they achieved their learning outcomes.

CIT497 - Special Topics in Information Technology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The purpose of this course is to provide an opportunity for an in-depth treatment of an information systems topic beyond what is covered in existing courses.

CIT499 - Senior Project

3 Credits, 0 Lecture, 0 Lab, 1 Other hours

Schedule Type: Senior Project (Undergraduate)

This is a capstone course in which one or preferably two students complete a substantial "real-world" project that may be provided by sponsors drawn from private or government organisations in the UAE. Projects are developed under the direction of the faculty supervisor and may include members of the sponsoring organisation. The execution of each project normally encompasses the following phases: requirements analysis, design, implementation, documentation and release of a developed IT product, service or technical report.

Pre-requisite: Completed 105 credit hours

COM200 - Communication, Media and Society

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

An introduction to media literacy and a broad survey of the relationship between media industries and society. Exploration of general trends in media industry development, analysis of media texts, and charting of the politics of production and distribution of media. Particular attention is given to placing the Emirati experience in the larger global context.

COM209 - Foundations in Media Writing

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

Combined lecture and lab course to develop and enhance students' language skills for communicating effectively and confidently in English across all media environments. The aim is to equip students with the linguistic tools necessary for them to develop as media professionals. Students will expand their vocabulary and learn how to deal with grammatical issues related to media writing in print, broadcast and online platforms.

COM210 - Introduction to Media Storytelling

3 Credits, 0 Lecture, 3 Lab, 0 Other hours

Schedule Type: CCMS Practica

Combined lecture and lab course that introduces students to practical reporting and writing. This course integrates critical thinking, creative thinking, and basic AP writing and production skills for nonfiction storytelling through words, photos, audio, & video.

COM212 - Digital Storytelling

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: CCMS Practica

Combined lecture and lab course that integrates critical thinking with professional media skills needed for exploring the creative challenges in mixed-media communication for non-fiction and/or fiction contexts; emphasis on matching audience, content and platforms and use of multiplatform tools and concepts.

COM230 - Professional and Public Speaking

3 Credits, 0 Lecture, 3 Lab, 0 Other hours

Schedule Type: CCMS Practica

An exploration of the relationship between public speaking and persuasion. Theoretical perspectives and empirical evidence about what makes messages persuasive will be covered. Students will develop an understanding of the fundamentals of public speaking and learn how to speak confidently and effectively as well as deliver a persuasive message in a variety of public speaking situations.

COM240 - Media Law and Ethics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines ethical and legal issues while gathering, framing, and circulating media content. Students will incorporate the accepted moral and ethical norms within the society as a guide to make best possible media decisions for their respective audiences. They will develop an understanding of the moral and legal obligations while practicing communication. Topics covered in this course include media content regulation, freedom of speech, defamation, copyright, privacy, and ethics for media practitioners.

COM360 - Applied Media Research and Analysis

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course focuses on making communication decisions through collecting, examining, and analyzing information and data from both primary and secondary resources to attain optimal results. Students will learn about creating measurable research objectives, sampling techniques, selecting appropriate research designs, and effectively analyzing data.

COM490 - Internship

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Internship

Supervised professional work experience in a media organization or in the media department of an appropriate organization in a field that is similar to a student's concentration. Externships require the approval of the College.

COM495 - Independent Study

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Independent study enables students to study material, pursue projects and/or conduct research in Communication and Media Sciences not available through regularly scheduled courses.

COM497 - Special Topics in Communication and Media

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Special topics and issues related to communication, media, Integrated strategic communications and tourism and cultural communications.

ECN201 - Foundations of Microeconomics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Introduces students to trade-offs that must occur in daily socio-economic transactions in order to allocate scarce resources.

Pre-requisite: MTH212 or MTH118

ECN202 - Understanding Macroeconomics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Study of economy-wide phenomena, including inflation, unemployment, the monetary system, economic growth, monetary and fiscal policies.

Pre-requisite: ECN201

EDC207 - Early Childhood Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course covers the main stages and domains of development: physical, cognitive, emotional and social, and their interrelationship. It addresses the development and behavior of children according to selected theories and research. It also emphasizes the influence of socioeconomic, sociocultural, and educational factors on child development

EDC221 - International Systems of Education

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Comparative study of education in Arab-Islamic and Western societies, with emphasis on cultural and social factors in the 21st century.

EDC314 - Early Childhood Program Models

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores various early childhood education program models and approaches, including integrated curricula. Teacher candidates will become familiar with quality learning environments and curriculum models in early childhood. Teacher candidates will examine the role of these models in public and private school contexts with a focus on standards for early childhood education, developmentally appropriate practice, learner-centeredness, supportive quality teaching, and respect for children's diverse needs.

EDC316 - Parents as Educators

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores developmental topics and parenting practices of families in the UAE and around the world, as well as family life education. The role of parents as first and continuing educators of their children will be studied. The relationships between the child, and his/ her development, and the development of collaborative relationships with parents, school, and family will be explored. Challenges, social values and contemporary issues faced by parents and families in today's society are discussed. Special attention is given to systems theory as it applies to the family.

EDC321 - Leading and Managing Learning

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course focuses on proactive, responsive, supportive, inclusive, culturally, and developmentally-appropriate methods of leading and managing learning environments in the early years. Teacher candidates explore theoretical perspectives and effective strategies for maximizing positive behavior. Throughout the course teacher candidates develop their abilities to work with diverse learners in inclusive learning environments. This includes the development of appropriate knowledge, skills and dispositions for becoming effective teachers.

Pre-requisite: EDC350

EDC323 - Integrated Curriculum for Early Childhood

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores the philosophy and implementation of integrated curricula for learners in early and middle childhood. It evaluates international and local developmentally appropriate principles and practices which promote the child's development in all domains. The course also examines strategies for content and language integrated teaching and learning.

Pre-requisite: EDC350

EDC324 - People with Special Needs

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course addresses the field of Special Needs/People of Determination from cognitive, physical, sensory, behavioral, social, and emotional perspectives. Types and causes of exceptionality, both genetic and environmental, are addressed. A range of appropriate interventions are introduced. Current issues and trends in inclusive practice are explored in the

context of family, community, and culture.

EDC350 - Education Studies I: The Learner

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course focuses on how learners learn. It addresses learning theories and their implications for knowledge and skills development. Teacher candidates are introduced to a range of perspectives on learning as well as developing an awareness of individual differences among learners. The course includes methods, tools and opportunities for the observation of learning environments.

EDC351 - Education Studies II: The Teacher

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course focuses on teachers as designers and facilitators of learning. It builds on teacher candidates' knowledge of learning theories and their practical implications for knowledge and skills development. The course explores a range of instructional strategies with a focus on learner-centeredness. The course will address the development of appropriate dispositions for teaching.

Pre-requisite: EDC350

EDC352 - Early Childhood Mathematics and Science I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course develops teacher candidates' knowledge of mathematics and science pedagogy from Infancy through Kindergarten. Teacher candidates examine foundational concepts, process skills, and professional standards in mathematics and science. The course emphasizes the importance of play and the integration of math and science across the curriculum. Teacher candidates also focus on the need to build on and nurture children's curiosity.

EDC353 - Assessment and Evaluation

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores different purposes, modes, and types of assessment in educational contexts. It focuses on appropriate assessment-for-learning practices in early childhood education. Teacher candidates engage in designing, developing, and implementing a range of assessment tools. They will also examine the importance of data-informed decision making.

Pre-requisite: EDC351

EDC360 - Learning Technologies

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course addresses effective use of technology for teaching and learning in early childhood classrooms. It focuses on evidence-informed principles and practices. Contextualized, ethical, and responsible use of technology is addressed with reference to ISTE standards. Teacher candidates are encouraged to develop critical perspectives on the uses of contemporary technology for education, with an awareness of multi-literacies including social media applications.

EDC373 - English Language and Literacy I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces teacher candidates to basic principles and practices related to emerging early literacy and language in English for emergent bilingual children from Infancy through Kindergarten. Emphasis is placed on a balanced approach to the development and assessment of early listening, speaking, reading and writing for English language learners, with a particular focus on speaking and listening.

EDC380 - Practicum I

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: COE Practicum

This course focuses on methods and tools for observation of learning in the classroom context. It makes use of previously acquired theoretical knowledge. Teacher candidates will view videos and visit a variety of education settings to complete focused observations on how learners' needs are met and

reflect on them in relation to learning theories. The emphasis is on observation of learners within the learning environment, with reference to positive teacher dispositions.

EDC386 - English Literature for Children

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an introduction to English literature for children. Approaches to the use of children's literature with English language learners in early childhood education settings are explored, including read-alouds and story creation. The course seeks to develop teacher candidates' global awareness and cultural responsiveness through reading and discussing how societies express their values and beliefs through children's literature. Teacher candidates also reflect on their personal experiences as readers of children's literature.

EDC390 - Practicum II

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: COE Practicum

The course focuses on learner-centered teaching strategies. Teacher candidates observe and analyze learning environments and form an understanding of how teachers facilitate learning. Teacher candidates have opportunities to identify and implement features of effective teaching strategies, while critically reflecting on the importance of positive teacher dispositions.

Pre-requisite: EDC380

EDC450 - Education Studies III: Curriculum Design

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course focuses on understanding the elements of unit and curriculum planning. It makes use of teacher candidates' prior knowledge of learning theories and teaching strategies, while reinforcing fundamentals of instructional planning. Teacher candidates will investigate best practices in these areas while designing age-appropriate, aligned and connected lesson and unit plans.

Pre-requisite: EDC351

EDC452 - Early Childhood Mathematics and Science II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course develops teacher candidates' knowledge of mathematics and science pedagogy in the early elementary grades. Teacher candidates examine foundational concepts, process skills, and professional standards in mathematics and science. The course emphasizes the importance of hands-on activities and the integration of math and science with other curricular areas, including literacy, art, social studies, and physical education. Teacher candidates also focus on the need to build on and nurture children's curiosity and support the development of their inquiry skills.

Pre-requisite: MSE352

EDC465 - Inclusive Classrooms

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines a range of evidence-based strategies for student support in ECE inclusive classrooms and schools. This includes appropriate strategies for accommodation, modification and differentiation in an inclusive classroom.

Pre-requisite: SPE324

EDC473 - English Language and Literacy II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces teacher candidates to basic principles and practices related to literacy and language in English for emergent bilingual children in the early elementary grades. Teacher candidates will be introduced to a balanced approach to the development and assessment of listening, speaking, reading and writing for English Language Learners, with a particular focus on reading and writing.

Pre-requisite: APL373

EDC480 - Practicum III

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: COE Practicum

In this course, teacher candidates engage in supervised observation, interaction, and teacher and learner support in an educational setting. The course provides opportunities for teacher candidates to take increasing responsibility within the educational setting. Teacher candidates engage in planning, teaching, and assessment in small group and whole class contexts, while critically reflecting on their professional practice and own dispositions.

Pre-requisite: EDC390

EDC490 - Internship

6 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Internship

Teacher candidates complete a school-based internship wherein they take an increasingly significant role in the learning environment with their university supervisors' and school-based mentors' guidance and support. The internship culminates with teacher candidates leading the classroom for an extended period of time, demonstrating appropriate dispositions and their readiness to graduate and join the teaching profession as reflective practitioners.

Pre-requisite: EDC480

EDC499 - Capstone Seminar

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Senior Project (Undergraduate)

In this project-based course, teacher candidates engage in a capstone research project in the educational setting in which they are placed during their Internship. They complete a practitioner research project (Teacher Candidate Impact on Student Learning: TCISL) that enables them to analyze and reflect on the impact of their planning and teaching on children's learning, and to make recommendations for teaching and learning advancement.

Co-requisite: EDC490

EDP202 - Human Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores the influences of heredity and environment on humans' physical, intellectual, emotional and social development. Students will learn about age-level abilities and behavior.

EDP307 - Adolescent Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is a study of development and learning from middle childhood through emerging adulthood. It considers the influences of physical, intellectual, emotional and social development of children, adolescence and emerging adults and examines roles played by family, peers, after-school programs, hobbies and interests, and educational programs in shaping the goals and behavior of young people across these stages. Candidates will look at development of opportunities for increasing responsibilities and abilities, as well as risks and issues that emerge at each stage

ENG140 - English Composition I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

ENG140 English Composition I introduces students to academic reading and writing strategies and practice. It provides instruction and guided practice in university-level reading and writing skills, with emphasis on the reading and writing connection and understanding of the rhetorical contexts in which writers write. This course introduces students to effective paragraph structure and to understanding how the paragraph functions within a standard academic essay. Students will also demonstrate reading comprehension and develop the reading skills necessary for success in first-year courses in University College. In this course, students learn about the process of composing, revising, and editing in order to produce clear, concise, and grammatically correct pieces of writing. Students are encouraged to become self-directed learners and to

demonstrate comprehension of a variety of texts through writing assignments that focus responses to some of the ideas contained in those texts. These same assignments introduce students to basic rhetorical modes. The course prepares students for GEN145 English Composition II and ENG240 English Composition III.

ENG145 - English Composition II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

ENG145 English Composition II requires extensive reading and writing skills development with a focus on persuasive writing in various rhetorical contexts. The course provides instruction and practice in reading comprehension and text analysis. Students are required to implement persuasive strategies in written and visual genres. Students learn to identify and use persuasive modes of appeal, to summarize and paraphrase with increased competence and to develop persuasive compositions for specific audiences and purposes. The course emphasizes a process writing approach. The course prepares students for ENG240 English Composition III.

Pre-requisite: ENG140

ENG222 - English in the Professions I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course has two concurrent learning objectives. First, students refine their use of English for their future professional contexts, whether in Education or in Psychology. Second, students develop their proficiency in reading and writing effectively in English in order to meet or exceed benchmarks for future employment in the fields of Education and Psychology.

ENG223 - English in the Professions II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

ENG 223 has two concurrent learning objectives. First, teacher candidates further refine their use of English as classroom teachers and in professional educational contexts, so as to provide appropriate models of English language use for the children they will teach. Second, teacher candidates further develop their proficiency in reading and writing effectively in English in order to meet or exceed benchmarks for future employment as school teachers.

Pre-requisite: ENG222

ENG240 - English Composition III

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course aims to develop students' critical reading and writing proficiencies, including lexical and grammatical range, accuracy, and independent editing skills, in order to communicate effectively in their disciplinary studies. English Composition III is an intensive academic English course designed for students to develop skills and strategies in comprehending, engaging with and producing texts in genres pertinent to their chosen major discipline. Students engage in the reading and writing process, focused on developing effectively organized, coherent, and accurate texts to demonstrate an understanding of the genres, conventions and communication styles to which they will be increasingly exposed in pursuing their major studies. These genres will include explanations of disciplinary concepts and knowledge; reflective and argumentative essays.

Pre-requisite: GEN145

ENG322 - Creative Writing: Experiments in Genre

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

In this course students study the craft of creative writing and engage in the practice of writing short fiction, poetry and creative nonfiction. The course's workshop structure enables students to engage in several creative writing exercises, experimenting with form and technique, in order to express their own ideas. The instructor provides immediate feedback in workshops and in individual student conferences. As active workshop participants, students learn to offer insights and feedback to peers both through annotating others' poems and stories, and through small group discussion. The importance

of reading for writing is emphasized in the course. A variety of exemplary texts from the vast wealth of world literatures will be analyzed for ideas specific to a diversity of historical and contemporary cultures, as well as for form and language. Given the emphasis on the craft of shorter forms in the creative writing genres, students will develop an increasing facility for concise and grammatical expression as well as an increased understanding of diction and its nuances.

ENG331 - Introduction to Linguistics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the basic concepts that define the various systems of language: phonetics, phonology, morphology, syntax, semantics and pragmatics. It also examines the social and cultural aspects influencing language use in the classroom, as well as in everyday life.

ENG335 - Implicit English Grammar

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the structure of English sentences and texts in order to discover implicit grammar rules. In the process, students learn how to analyze language structure and how varying the structure conveys different meanings.

ENG360 - Film and Literature

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will focus on a selection of texts and their film adaptations and will examine them within their respective socio-political context. Students will become familiar with elements of narrative and will learn how to “read” a film as a text while trying to answer the following questions: What are the differences between novels, short stories and film as storytelling methods? How do screen adaptations generate new meanings from literary texts today? How do different media reflect but also produce the cultures of which they form integral parts?

ENG363 - Drama

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Throughout history, cultures and societies have developed their own stories about the world and conveyed their experiences and knowledge through drama. Therefore, drama constitutes one of our longest literary traditions in expressing the human condition: our interpersonal relationships captured in dialogues and our inner musing prompting the monologues we all engage in as human actors on that vast stage that, as William Shakespeare put it, our world is. The course focuses on diverse styles of drama from various global contexts, while students keep in mind the notion of performance. The course considers a selection of at least three of the most significant plays from different eras in their respective socio-political milieus, while paying particular attention to the transition of drama into theater and from representation to presentation, and hence to theater defined as a space of make-believe.

ENG364 - Modern and Contemporary Literature

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores literary works from the late 1800s to present, paying particular attention to the relationship between literary texts and their historical, intellectual, and cultural contexts. The course structure is designed to permit flexibility in terms of period, subject, and cultural tradition. The course includes a representative sample of short prose fiction from the late nineteenth to twenty-first century literature. Special interest extends to modernism, postmodernism, war literature, postcolonial, and migrant literature. Literary works are drawn from Western and non-Western traditions.

ENG365 - The Novel

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the novel as creating new narratives of self, culture, and society. Literary historians have argued that the genre, especially the novels of the 18th and 19th centuries,

helped shape public opinion on many controversial matters. The revolutionary potential of the novel was increased by an emerging print culture, lending libraries, and the serialization of novels in popular magazines and journals, opening up literature to a wider audience. That the modern novel, more so than any other genre, was penned by women and working-class writers is evidence of its democratizing potential both in terms of authorship and audience. The course affords flexibility in terms of literary and cultural focus, alternating between in-depth immersion in one time period and cultural tradition and comparative analyses of the genre across time and cultures.

ENG367 - World Poetry

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course exposes students to poetry from various cultures and literary, social-historical traditions. It seeks to refine students’ skills in appreciating and analyzing poetry. The course helps students understand the unique place of the poem among other forms of literature and expression, focusing particularly on poetry’s distinct and intense use of language. Students reflect on how poetry provides a distinct lens on the self, society, and the world. The course may be organized by specific themes of by focusing on poetry from particular regions of the world. The course explores poetry written predominantly in English but also enlists major poets of world literature.

ENG368 - World Fiction

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Examining multiple forms of fiction – such as short-stories, novels, plays, and poetry – this course exposes students to fiction from different parts of the world. It pursues the study of world fiction singularly and comparatively. Students work at locating texts, genres, and writers in political, cultural, and historical contexts, understanding how literature reflects, challenges, influences, and rebuffs society. The course may be structured around specific themes or particular historical periods, or may focus on fiction from a specific world region.

ENV240 - Principles of Environmental Sustainability

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course examines the complex relationship between humans and the natural environment. The principles of sustainability will be reviewed and their application to energy, climate change, urban planning, transportation, water use, ecosystem services, and social equity will be considered. Examples from both developed and developing economies will be discussed and compared.

ENV241 - Earth Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course provides an overview of the physical processes governing environmental systems, from lithosphere to hydrosphere to atmosphere. Physical science perspectives on current debates such as those over water resources, energy, and climate change. Students will also learn advanced Geographic Information System software techniques for the purposes of collecting, plotting and analyzing geospatial data and the interpretation of physical and chemical characteristics of the Earth’s changing landscape using remote sensing imagery.

ENV360 - Environmental Policy and Economics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an overview of the policy-making process, enforcement and regulation, the behavior of interest groups and stakeholders, and the actions of policymakers. Students will be able to understand and critique the current policy responses to some of the major environmental issues of our time, including climate change, water pollution, deforestation, and the loss of biodiversity. Local and international case studies will be discussed and compared. The course will also explain key economic concepts in the context of environmental problems, including market forces, environmental evaluation, cost-benefit analysis, and international trade.

ENV371 - Introduction to Environmental Health

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the fundamental concepts of human health risk assessment process involving toxicological principles as applied to the study of hazard assessment, dose-response assessment, exposure assessment, risk characterization. Case studies examples will illustrate the applications of risk assessment process, toxicology; convey the complexity of risk assessment and the challenge of data collection, monitoring.

ENV466 - Research Methods

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will provide students with an introduction to the practical and professional skills and methods that are required as an environmental scientist. The course develops the skills necessary for successfully undertaking a novel research project, in particular the Senior Project. Based upon the steps involved in the Scientific Method, it covers the requisite skills in designing and executing a research project given a set of objectives and constraints. The student will also be provided with the skills to analyze data and to formulate conclusions and communicate these findings in written and oral form to a diverse audience.

Pre-requisite: MTH281

ENV470 - Water and Solid Waste Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Students will study the principles involved in management of the collection, retention and treatment of water supply, wastewater, and solid waste in industrial and municipal facilities. Innovative and environmentally sound management aspects, such as recycling and design optimization, will be stressed.

Pre-requisite: CHE202 and BIO372

ENV474 - Energy and Sustainability

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an overview of energy issues in the context of global and local sustainability. Energy demands for transportation, residential, and commercial uses are presented, and strategies for demand reduction are discussed. Major potential sustainable energy sources will be presented, including solar, wind, hydroelectric, geothermal, and bio-fuels, in addition to conventional oil, gas, coal and nuclear technologies. Issues associated with carbon capture and energy storage will be discussed. This course will address many technical and scientific aspects of energy, as well as policy and economic considerations. Energy issues specific to the U.A.E. will also be discussed.

Pre-requisite: ENV240 and ENV241

ENV477 - Case Studies in Environmental Hazards

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Carefully chosen case studies in natural and human-made hazards will be analyzed in terms of causation, effects, mitigation, and management. The focus with reference to public health will be on immediate and long-term implications of such hazards.

Pre-requisite: ENV241

ENV490 - Internship

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Internship

Internship provides professional experience for Environmental Science and Sustainability students in a challenging but supportive working environment of their choice. It enables students to enhance their interpersonal skills, increase self confidence and apply knowledge and skills gained at Zayed University in a professional setting.

ENV491 - Senior Project

3 Credits, 0 Lecture, 0 Lab, 1 Other hours

Schedule Type: Senior Project (Undergraduate)

The Senior Project is a culminating experience requiring

students to synthesize and integrate knowledge acquired in their coursework and other learning experiences. They will apply theory and principles in a situation that has relevance to some aspect of environmental science and sustainability practice or research. Students work individually while being mentored by faculty and take primary responsibility for identifying and defining a problem, developing a suitable approach and methods needed to address the problem, implementing the project and presenting their findings in both oral and written forms. Students are encouraged to engage with partners in the community where appropriate or beneficial.

FIN308 - Introduction to Finance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Introduction to corporate financial management focusing on basic concepts, techniques, and practices. Topics include financial institutions and markets, interest rates, cash flow, financial statement analysis, time value of money, risk and return, stock and bond valuation, cost of capital, capital budgeting, long-term financing, dividends, financial planning, and working capital management.

Pre-requisite: MTH212 and ACC202 and or MTH213 CTI students in the joint program

FIN420 - Corporate Finance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Application course in which financial concepts and analytical techniques are applied to various corporate business decisions. Course expands the depth and scope of material covered in FIN308.

Pre-requisite: FIN308

FIN421 - Financial Planning and Forecasting

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course focuses on the structure and benefits of financial planning and forecasting. Also, it will introduce and integrate various models that are useful for financial planning and forecasting.

Pre-requisite: FIN420

FIN422 - Financial Markets

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course focuses on functions and development of financial markets, debt, equity and derivative security markets, efficient capital markets, and international markets.

Pre-requisite: FIN308

FIN424 - Investments

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Covers investment markets, investment information, risk and return, stocks, bonds, preferred stock and convertible securities, options, commodities and financial futures, mutual funds, real estate and other tangible investments, taxes and investing, international investments, and portfolios.

Pre-requisite: FIN308

FIN425 - Commercial Banking

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

It is focused on management and performance evaluation of commercial banks, financial markets, and financial institutions. Explores how financial institutions in general and commercial banks in particular manage different types of risks and how the performance of commercial banks can be evaluated.

Pre-requisite: FIN422

FIN426 - Islamic Finance and Banking

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is an introduction to the study of Islamic Banking and Finance. Its aims are to develop an appreciation of the Sharia compliant financial products and the rationale for the prohibition of Riba (usury) in Sharia compliant financial instruments. The course will look in detail at the financial

techniques applied by Islamic banks with detailed analysis of risk sharing concepts (PLS model).

Pre-requisite: FIN424

FIN427 - International Corporate Finance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course considers financial issues associated with the operation of a firm in the international environment. Topics covered in the course include foreign exchange market, exchange rate determination, foreign exchange exposure management, international capital budgeting, cost of capital, capital structure, and working capital management.

Pre-requisite: FIN420

FIN428 - Portfolio Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course focuses on asset allocation, portfolio theory and applications, major approaches to portfolio construction and portfolio performance evaluation.

Pre-requisite: FIN424

FIN429 - Financial Derivatives

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course provides an introduction to current primary derivative securities and their respective markets. Topics to be covered include no-arbitrage-based pricing, binomial option pricing, the Black-Scholes option pricing model, pricing of forwards and futures, hedging with derivatives, and portfolio insurance.

Pre-requisite: FIN424

FLS361 - World Cinemas

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will examine the relationship between cinema and culture in different societies around the world. Using an interdisciplinary approach, the course will explore the aesthetics of cinema as art and its relation to other artistic forms as well as the historical contexts of movie-making and movie-watching. Topics include post-colonialism and articulations of national identity, constructions of gender and race, concepts of good and evil, and censorship. Notation for area: a) Europe b) Americas c) Middle East d) Africa e) East Asia f) South and Southeast Asia.

GEN110 - Data Management and Analysis

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture and Recitation Combined

This course, Data Management and Analysis, is a first semester course. It is an introduction to management and analysis of data in which students will represent data graphically, describe and interpret graphical and numerical representations of data sets, compare data sets using data analysis, and draw relevant conclusions about the populations from which the data sets are taken. This course is designed to provide students with a solid background in statistics, whilst developing their critical thinking and quantitative reasoning. Students will use appropriate computer software to graph, analyze and interpret data. Real life situations to which students will apply statistical concepts are taken from a variety of subjects.

Pre-requisite: Emsat Math score 500+ or Math Placement Exam 70%+ or P score in DMT010

GEN150 - Positivity and Wellbeing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This interdisciplinary course takes students through a journey of connecting with self, others, and community. Students will explore concepts of positive psychology and apply tools to find their purpose and improve their wellbeing. Topics will include meaning, purpose, resilience, motivation, emotional intelligence, gratitude, mindfulness, altruism, empathy, and happiness around the world, and in particular in the context of the UAE. This course uses an experiential approach in guiding students to understand and apply core concepts, analyze foundational texts and exercise self-reflection. Students will be

exposed to the discourse on how to live a purposeful life and will gain insights and practical strategies to engage in a search for fulfillment.

GEN175 - Introduction to Information Technology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course prepares Zayed University students to be fully capable and informed 21st-century digital citizens by emphasizing essential IT knowledge, skills and perspectives. The course focuses and builds on the IT topics and domains covered by the UAE Ministry of Education Computer Science and Technology Framework, which is the basis of the IT curriculum in the UAE. The course covers the impact of IT on society and economy, as well as the security and privacy issues raised by IT. Students learn the hardware, software, networking and operation components of IT systems. The course also covers the basics of problem solving, algorithms and development of simple programs. Robotic-kits are used throughout the semester as a tool to illustrate the way all these topics are connected. Further, students engage in activities that focus on developing and refining their ability to understand and apply IT concepts, products and services in their personal, academic and professional lives.

GEN185 - Methods of Scientific Research and Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an introduction to the scientific research methods commonly used in social, physical and health sciences. Particular attention is given to formulating research questions, determining the appropriate method to answer questions, planning and designing research, collecting, analyzing, interpreting data and presenting findings. Students will be introduced to quantitative and qualitative modes of research and analysis and attain research skills relevant to the majors and professions in which they will work.

GEN195 - Living Science: Health and Environment

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

GEN195 underlines the clear link between health and sustainability. This is targeted through the investigative study of human body systems, social and behavioral health; local and global health; demography, population health and environmental health. This course provides students the background necessary to understand specific health and environmental concerns facing the UAE, the World, and how they affect them at the personal level in their daily lives.

GEN220 - Fundamentals of Innovation and Entrepreneurship

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is a skills-rich approach to learning innovation and entrepreneurship that can be applied to any high-growth enterprise or other organization in the UAE. Students will develop an understanding of the nature of entrepreneurship and its connection to the culture and economy of the UAE, and how innovation drives entrepreneurship. The course is composed of three modules: Module 1: Design Thinking; Module 2: Entrepreneurship; and Module 3: Growth and Leadership. The course encourages creativity, civic responsibility, team work, ethical decision-making, and critical thinking skills, leading to students being prepared to take their places as members of an entrepreneurial oriented workforce. The course culminates in generating entrepreneurial concepts related to students' professional development.

HIS201 - History of the United Arab Emirates

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course begins with a survey of the rich archaeological record of the area and what we consequently know of the prehistoric periods of human habitation. Then we will examine the historical events from the arrival of Islam, the latter incursion into the area by the Dutch, Portuguese and the British. Particular attention will be given to the influence exerted by the British in the political and economic life of the Trucial States.

The crucial period of the 1950s and 1960s will be examined in detail as changes that occurred during those years shaped what would become the federated United Arab Emirates. Important topics for reading and discussion will be the oil concessions, the rapid urbanization of the coastal cities, the influx of foreign workers, the globalized economy and the development visions of Sheikh Zayed and Sheikh Rashid.

HIS202 - Archaeology: Knowledge and Methods

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is an introduction to the theory and practice of archaeological research. Topics include the nature of archaeological evidence; techniques of archaeological investigations, including excavation, survey, and remote sensing; methods of dating sites and artifacts; and theoretical approaches to understanding ancient environments, political economies, ritual, technology and processes of social change.

HIS203 - History of the Modern Middle East

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

HIS203 is a historical survey course that examines the emergence of the Middle East in the modern era, covering the time-period from the late Ottoman centuries to the present. The course deals with a range of historical developments, themes and issues that shaped the modern Middle East, including the legacy of the Ottoman Empire, the responses to the European challenge, colonialism, the impact of the two World Wars, Zionism in Palestine, the Arab-Israeli conflict, the rise of national states, the ideologies of pan-Arabism, the American role in the Middle East, the emergence of regional organizations, Arab nationalism, socialism, regime change, and regional conflict. It also discusses some key challenges facing the Middle East today, such as relations between the state and society, uneven development, GCC integration, and globalization. While the course deals primarily with political history of the Middle East, it also focuses on selected aspects of social and cultural history to illuminate the depth and complexity of the themes presented and issues considered in its coverage. This approach is augmented by the choice of course material that demonstrate the multiple perspectives in viewing and interpreting the modern Middle East, its history and legacies, and the lessons that can be drawn from them.

HIS204 - History of the Twentieth Century

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course aims to provide students with a solid foundation for the political and economic history of the 20th century, on which, they can base their further studies within the degree program in international studies. The course applies both a chronological and a thematic approach to the study of the political and economic history of the 20th century. The chronological approach encompasses five eras: a) the origins and consequences of World War I, (b) the rise of totalitarian regimes, (c) World War II (d) the Cold War era and the collapse of empires and (e) the post-Cold war period. The thematic approach explores five interrelated topics with significant bearing on the political and economic history of the 20th century: (1) science and technology, (2) economics, (3) political and social developments, (4) international relations, and (5) cultural trends.

HIS251 - World History

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will consider how social, economic, political and geographic formations have steered the course of progress and change in different regions across time. Through an exploration of the development of civilizations, the rise and fall of empires, patterns of settlement and migration, and cross-cultural exchange and trade, students will gain a better understanding of the legacies that have shaped the world's most formative intellectual traditions.

HIS321 - Heritage of the Gulf

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course focuses on the rich cultural heritage of the Gulf and the UAE in particular. Students will address issues of identification, conservation, and presentation of tangible and intangible culture, especially Arab-Islamic, and the management of archaeological and historic sites. Students will also examine the GCC Joint Cultural Development Plan and produce appropriate model programs for the individual states that will promote regional integration.

HIS381 - Legacy of Sheikh Zayed bin Sultan al Nahayan

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the life and legacy of Sheikh Zayed, the first president of the U.A.E., beginning with his work in the Al Ain area and then as Ruler of Abu Dhabi. Focus will be on his achievements in developing and urbanizing the country, his vision for the United Arab Emirates and his legacy of public service, historical knowledge and diplomacy.

HIS382 - Archaeology of the Emirates

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

A survey of the archaeology of the U.A.E. that includes 7000 years of continuous human occupation with special focus on the Neolithic to Islamic Period. Topics will include the impact of environmental change on settlement type and location, development of stone tool industries, animal domestication, craft production, burial customs, and regional networks of trade, exchange, and cultural interaction.

HIS383 - Archaeology Field School

3 Credits, 0 Lecture, 0 Lab, 1 Other hours

Schedule Type: Senior Project (Undergraduate)

In this ten week course, students will undertake multiple stages of archaeological field research. Students will develop an excavation strategy; carry out 3 weeks of excavation or surface survey of an archaeological site, map the site, excavation units, and features; draw stratigraphic sections; and describe, analyze, and catalog artifacts in the lab. The end result of the course will be a collaborative report that explains and interprets the results of the excavation.

HIS401 - Political History of the UAE

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This senior level course critically examines the period from 1906 to 2004 with in-depth analyses of the power relationship inherent in British hegemony in the Gulf. Critical attention is given to the British enforced isolation of the area; the Buraimi crisis, oil concessions, the final British withdrawal from the Gulf, and attempts to forge a post-British future. The rulers Sheikh Shakhbut of Abu Dhabi and Sheikh Saeed of Dubai will be studied in detail along with an analysis of how they are perceived and described by historians today. This course will also consider the multiple conflicting narratives of Emirati history and how such narrations co-exist in society today.

Pre-requisite: HIS201 or SOC200

HRM301 - Human Resource Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course examines the role of human resource management within an organizational context. It introduces students to the major human resource functions such as staffing, training and development, performance management, compensation and employee relations. Covers job analysis, and the legal and environmental context of human resource management.

Pre-requisite: MGT309 or CIT300

HRM351 - Organizational Behavior

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the impact that individual and group behaviour has on organizational processes and outcomes. The core topics of the course include motivation, leadership, power, interpersonal skills, group structure and processes, learning,

attitude development and perception, change processes, conflict, and work design. This course uses lecture sessions, experiential learning techniques, and Web-based materials to facilitate the understanding of the concepts of the course and to demonstrate their application in management situations typically encountered in organizations.

Pre-requisite: MGT309

HRM366 - Human Resource Information Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines how information system can be used to support the strategic and tactical aspects of human resources management. It covers the design, implementation and management of human resources information systems (HRIS). Emphasis will be placed on improved decision making and organizational effectiveness.

Pre-requisite: HRM301

HRM450 - Compensation and Performance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course examines the reward and performance strategies available to management and the role of the human resource manager in the compensation and reward process. It explores the design and evaluation of performance management and reward systems, and the factors management consider when setting remuneration levels. It examines the processes available to management for the measurement of work and performance.

Pre-requisite: HRM301

HRM451 - Staffing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the staffing process in organizations. Topics include human resource planning, internal and external recruiting, methods of assessment and making hiring decisions. External factors such as the labor market and legislation will also be examined.

Pre-requisite: HRM301

HRM452 - Learning and Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course explores the strategic nature of human resource development, its relationship to individual performance and to organizational development. It explores characteristics of learning organizations and knowledge management practices to provide a context for HR development. It examines the skills necessary to undertake needs assessments, design, development, and implementation of training and development interventions.

Pre-requisite: HRM301

HRM455 - International Human Resource Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course explores the ways in which human resource management differs across national boundaries focusing on international trends and benchmarks. It will enable students to identify and understand how organizations manage their geographically dispersed workforces in order to leverage their human resources to achieve local and global competitive advantage. The focus is on HR as a strategic partner in managing the organization and its interaction with market competition.

Pre-requisite: HRM301

HRM456 - Management of Employee Relations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Examines the nature of conflict within organizations, particularly between labor (whether organized or not) and employers. Examines the role of the HR function in the process of establishing productive relationships between employees and employers.

Pre-requisite: MGT309

HRM457 - Organization Development and Change

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course presents the theoretical foundations of Organization Development (OD) and change management. It equips students with the knowledge and skills required to diagnose organizational systems, design and implement appropriate change interventions at the individual, group and/or organization level, and evaluate the effectiveness of these interventions. The course also explores the challenges of successfully managing change.

Pre-requisite: HRM301

HSS101 - The Big Questions

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This is an introduction to academic thinking for the humanities and social sciences (HSS). It looks at disciplinary and interdisciplinarity whilst studying global themes and issues through HSS: how academic questions are produced, how they should be ethically and methodologically addressed, how academic knowledge is produced and the pitfalls and difficulties in the process. This course will build essential foundational skills as the basis for the students' academic career and an understanding of the importance of academic integrity in HSS.

HSS255 - Emirates Studies

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course seeks to consolidate national belonging and identity and appreciate national achievements of the United Arab Emirates. The course focuses in introducing students to the main social features of Emirati community and its core values and heritage, and elaborating various substantial studies related to the history and geography of the country, as well as to the internal and foreign policy, social development and services provided by the State, including the empowerment of women and their role in society. This course also aims to shed light on UAE role in building an Emirati knowledgeable society, encouraging multiculturalism, and developing solid economic and technological infrastructure, as well as positioning UAE at a global competitive level. The course also includes the future visions and challenges towards developing strategic plans as it will discuss Federal Government Vision 2021 and Abu Dhabi Vision 2030 and the different issues related to future development plans and the expected challenges.

HSS353 - Politics of Identity

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the social, historical and political processes which have influenced identity formation in various regions of the world. The course will explore the intersection between religion, law, culture, gender, globalization and identity within the contexts of empires, states, diaspora communities and popular culture.

HSS366 - Applied Research Methods

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Concentration upon applied research methods used to understand socioeconomic issues and public policies. Research skills taught are sampling, questionnaire, design, interviewing, focus groups and field research.

HSS397 - Special Topics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will be offered to meet special needs of students and staff that will satisfy a demand for a special topic or area course.

HSS490 - Internship

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Internship

Opportunity for the student to gain practical experience of the workplace relevant to their area of study, with employers in the public or private sector. Internships are intended to match

the academic backgrounds and strengths of students, their interests and future career ambitions.

HSS495 - Honor Thesis I

3 Credits, 0 Lecture, 0 Lab, 1 Other hours

Schedule Type: Senior Project (Undergraduate)

In the Honors Thesis course, select students will complete a substantial product of original research or creative work which expands on their undergraduate course of study within the department, ensuring expertise in faculty mentorship. Though the scope and content of projects may vary widely, all Honors theses, whether critical or creative in focus, demonstrate a student's exemplary English writing skills. Thus, students may submit a traditional research project or a creative project that, for example, contains a substantial critical preface. Students will graduate with three extra credits above the program requirement and, upon successfully defending their final project before a panel of faculty members, will receive an "Honors Thesis Option" designation on their official transcripts and diplomas.

HSS496 - Honors Thesis II

3 Credits, 0 Lecture, 0 Lab, 1 Other hours

Schedule Type: Senior Project (Undergraduate)

In the Honors Thesis course, select students will complete a substantial product of original research or creative work which expands on their undergraduate course of study within the department, ensuring expertise in faculty mentorship. Though the scope and content of projects may vary widely, all Honors theses, whether critical or creative in focus, demonstrate a student's exemplary English writing skills. Thus, students may submit a traditional research project or a creative project that, for example, contains a substantial critical preface. Students will graduate with three extra credits above the program requirement and, upon successfully defending their final project before a panel of faculty members, will receive an "Honors Thesis Option" designation on their official transcripts and diplomas.

Pre-requisite: HSS495

HSS497 - Senior Seminar: Modernity and its Challenges

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

As Senior Seminar, this course synthesizes students' learning experiences and expands their skills in conducting research, writing an original and extended academic paper incorporating some new ideas, and orally presenting and discussing the results of their scholarly work. The course promotes students' ability to think critically, as students will be encouraged to analyze and evaluate different perspectives from multiple sources. This process will be assessed through extensive writing and presentation exercises. Thematically, class discussions and assignments focus on key issues of modernity seen from multiple disciplinary perspectives. The course explores the definition and the challenges facing modernity, as well as the challenges that modernity poses to established beliefs and structures. More specifically, the course examines how various topics, such as power, conflict, consensus, international tensions and cooperation, development, and culture and identity, relate to modernity. Thus, the course is designed to address aspects of modernity that cut across the disciplinary boundaries of the humanities and social sciences.

IAH212 - The Arts and Social Change

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

A fundamental characteristic of the arts is that they are transformative. They lead us to see ourselves in new ways, to reconceptualize our world, and to rethink our relationship to it. Consequently, the arts are often harbingers and pacesetters for social change. This course explores the use of creative expression in the visual arts, literature, and music to question and sometimes resist authority, to reassess ideological constructs, and to advocate change in social and political systems as well as in the arts themselves. Under what circumstances are such efforts likely to be successful? How do we determine success? To address these issues, the course draws examples from literature, the visual and performing arts,

and music from different parts of the world.

IAH244 - Ethical Systems, Moral Dilemmas

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

Normative ethics is the study of ethical systems that provide answers to the question of how one ought to act in situations of moral significance. Moral dilemmas involve choices between mutually exclusive alternatives, each of which carries significant burdens. This course introduces you to theoretical frameworks that one can apply to addressing moral decisions and dilemmas, such as those involved in animal rights, climate change, torture, and euthanasia. The theoretical frameworks introduced in this course include: Consequentialism, Deontology, Contract Theory, Virtue Ethics, and Feminist Ethics. Topics include: voting, effective altruism, food ethics, healthcare, education, poverty, and disability.

IAR110 - Arabic Lab 1 (N): Speaking to Engage & Persuade

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

The effect of an engaging and persuasive speakers can have lasting effect on any audience. The Speaking to Engage and Persuade Arabic Lab 1 for native speakers of Arabic provides training for students in the art of presenting and speaking in Arabic. Students will experiment with presenting on various topics of interest using modern Standard Arabic (MSA), in addition to organizing and participating in open mic events, gathering their own collections of specialized jargon they might need and listening to the best Arab orators of all time.

IAR111 - Arabic Lab 1 (NN): Arabic Language & Culture for Beginners

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

Learning a world language is an asset whose impact can influence how we do business and how we think about the world we live in. The Arabic Language & Culture for Beginners Arabic Lab 1 for non-native speakers of Arabic provides an introduction for students to Arabic language & culture. Students will start with listening and speaking activities that can build a basic MSA Arabic repertoire and then they will move on to learning the Arabic alphabet and reading simple words, sentences and phrases taken from everyday life conversations. Students in this lab should reach the Novice high or Intermediate low levels by the end of the semester.

IAR210 - Arabic Lab 2 (N): Writing to Inform

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

Well-written communication helps define goals, identify problems and arrive at solutions. This is important in every aspect of college and career success. The Writing to Inform Arabic Lab 2 for native speakers of Arabic provides training for students in the art of written professional communication. Students will experiment with writing on various professional writing experiences using modern Standard Arabic (MSA), including blogs, wikis, emails, resumes, cover letters, memos and briefs. In addition students will participate in a writers' event organized in their communities.

IAR211 - Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

Learning a world language is an asset whose impact can influence how we do business and how we think about the world we live in. The Arabic Language & Culture for Intermediate proficiency Arabic Lab 2 for non-native speakers of Arabic provides an introduction for students to Arabic language & culture. Students will continue advancing their listening and speaking skills in addition to reading and basic writing that can build a basic MSA Arabic repertoire. In addition, students will learn more about the Arab and Emirati culture via songs, proverbs, and traditions. Students in this lab should reach the Intermediate Mid to High levels by the end of the semester.

IBS210 - Market Dynamics and Product Analytics

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours
Schedule Type: Interdisciplinary UG Lecture

Business is a powerful driver of economic growth and stability; to do well in business, you must understand consumers, products, and markets. The objective of IBS210 is to challenge students to apply marketing methods used by businesses to create value for shareholders and selected customers and consumers. We examine the consumer behavior of individuals, learn how to run, analyze and interpret experiments, and we review business marketing strategies designed to create and capture value.

IBS211 - Financial Planning, Budgeting and Modeling

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours
Schedule Type: Interdisciplinary UG Lecture and Lab Combined

In this course, students learn about the inner workings of the business enterprise. We focus on the financial and strategic tools managers use to track, evaluate, and improve their business operations and to achieve business objectives. We connect marketing ideas discussed in IBS210 to see how they affect financial performance. Students learn accounting terminology to read financial statements; explore tools used to develop financial models; evaluate common business problems and processes; and analyze case studies of real-world business situations. Key topics include financial and managerial accounting, present value, discounted cash flow, capital asset pricing model, risk analysis, mergers & acquisitions, options, capital structure, strategy, and corporate social responsibility.

IBS212 - Doing Business

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours
Schedule Type: Interdisciplinary UG Lecture

We analyze the political, regulatory, and societal contexts in which business gets done from a global perspective. Overall the goal is to examine how different societies have constructed legislative and societal norm-based solutions to problems that originate from real or perceived market failures. We address cultural biases, labor market conditions, financial regulations, legislative systems and international frameworks.

Pre-requisite: IBS210 and IBS211 and ICB101 and IDS101 and IDS103 and IDS104 and IDS105

IBS213 - Enterprise, Design, and Optimization

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours
Schedule Type: Interdisciplinary UG Lecture

In this course, students learn about the inner workings of the business enterprise. The focus is on how managers formulate and execute strategies to achieve financial and non-financial objectives. Students learn how to develop a framework for implementing strategy and understanding the tradeoffs inherent in organizational designs. They study the interdependence of organizational planning, design, control, and implementation. We consider systematically how enterprise design and optimization plans are implemented, focusing on incentive structures, emergent effects and cost consideration.

Pre-requisite: IBS210 and ICB101 and IDS101 and IDS103 and IDS104 and IDS105

IBS301 - Business Financial Statements and Accounting Standards

3 Credits, 2 Lecture, 2 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course provides an introduction to accounting and how it is used in dealing with business operations, economic events, and financial management. It encompasses three main themes: (1) outlining the components of financial reporting in terms of the underlying theory or “conceptual framework” of accounting; (2) providing students with a structured framework to assist them in attaining the literacy skills demanded in their academic lives and as part of their professional careers; and (3) providing students with technical skills of accounting including transactions analysis, recording accounting information, and preparation of financial statements. The course demonstrates and explains appropriate accounting procedures in the preparation and presentation of external financial reports. Students will be introduced to the financial language of the business environment, business information systems that

support financial decision making and financial reports adopted as a primary mode of communication in the business environment.

IBS302 - Management Accounting for Business Decisions

4 Credits, 4 Lecture, 0 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture

The primary purpose of this course is to impart understanding of how management accounting is instrumental in the business decision making. The course covers different decision-making topics such as cost volume profit analysis, incremental analysis, budgeting and pricing. Thus, course provides a foundation in quantitative tools that can be used across the entire organization for decision-making. The course aims to improve the hands-on analysis skills of the students as they learn the use of spreadsheets to prepare budget reports and apply solutions to business problems.

Pre-requisite: IBS301

IBS303 - Financial Reporting

4 Credits, 4 Lecture, 0 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture

Rapid changes in accounting practices/standards are impacting the financial reporting and analysis that managers (investors and creditors) use to make strategic business (capital allocation) decisions. This course aims at exploring accounting topics that equip students with in-depth knowledge, skills and understanding of preparation, analysis and interpretation of financial statements, both from management and investors perspective. The course utilizes core principles/techniques and practical corporate reports to provide students with a rigorous exposure to financial reporting procedures, working capital policies and modern approach to financial statements analysis and business valuations. The course covers several important topics such as preparation, analysis and interpretation of financial statements, working capital management, cost of capital, business valuations and a variety of procedural accounting issues with specific emphasis on property, plant and equipment, receivables, intangible assets, liabilities, and stockholders’ equity.

Pre-requisite: IBS301

IBS304 - Information Technology, Data Analytics and Accounting Systems

4 Credits, 2 Lecture, 4 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture and Lab Combined

The aim of Information Technology, Data Analytics and Accounting Systems is to provide students with the fundamentals of the accounting information system (AIS) and how it functions and fits in the modern business. This course focuses on the needs and responsibilities of accountants as users and developers of information technology, and as auditors. The course also covers information systems documentation techniques and how AIS are used to record and enable business processes and transaction processing. The course includes critical evaluation of internal controls, fraud, cybercrime, and information system controls in a business. Contemporary issues including cyber security, big data XBRL are also covered. Students will also get hands on experience on using an integrated accounting software to learn how computers are used in today’s accounting environment.

Pre-requisite: IBS301

IBS310 - Decision Support Models and Technologies

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours
Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course introduces students to the fundamental techniques of using data, analytics methods, and fact-based management to support and improve decision making. It will equip students with skills in data analysis, building decision models, risk assessment, decision making under uncertainty, using historical data and limited information effectively, and simulating complex systems. It will also introduce students to the use of computer-based decision support technologies to enable business and organizational decision-making activities through the use of data analytics, querying database systems, and artificial intelligence.

Pre-requisite: ICB103 and IDS102 and IDS103

IBS321 - Equity, Fixed Income, and Alternative Investments

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 In this course, students acquire knowledge and skills in core investment concepts and apply such concepts using real financial data. The course content consists of a mix of descriptive materials, theoretical models, model applications, and projects. The course addresses stocks, bonds, mutual funds, valuation of investment securities as well as market efficiency and behavioral finance topics. On completion, students should be able to communicate effectively using basic terminology associated with the investment environment in preparation for careers in financial analysis and financial planning, investment banking, and corporate finance.
 Pre-requisite: IBS211

IBS322 - Banking & Financial Institutions

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture
 Banking and Financial Institutions is the study of the functions and development of Commercial Banks, Financial Markets and Financial Institutions in a fast-evolving data driven environment. This course introduces students to the theoretical structures of debt, equity, and derivative security markets and how banks and other institutions manage different types of risks in a globally integrated financial system. The theoretical constructs introduced in this course include: operations of financial markets, interest rate determination in a globally integrated market, transfer of funds from surplus units to deficit units, financial institution regulation in a computational economy and risk management.

IBS323 - Corporate Issuers

4 Credits, 4 Lecture, 0 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture
 The objective of this course is to provide the students with an understanding of the mechanics of financial and investment decisions undertaken by financial managers and how corporate governance issues influence this decision-making process. Students will learn how firms determine their optimal capital structure and evaluate capital budgeting proposals under different scenarios. Topics will also include methods of financing corporate investments, short-term financial planning, the management of cash and credit accounts, and an overview of M&A transactions.
 Pre-requisite: IBS211

IBS324 - Portfolio Management and Wealth Planning

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 The course undertakes a rigorous study of the concepts related to investment management and applies them in real-world context using case studies. Topics include asset allocation, equity and bond portfolio management strategies, performance evaluation and wealth management. Students would be engaged in an intensive investment game using the Bloomberg terminal to design an investment strategy and manage a hypothetical fund. The course deals very little with security valuation, i.e., "equity research" or "bond valuation". Students are assumed to have covered these topics in an earlier course.
 Pre-requisite: IBS321

IBS325 - International Financial and Risk Management

4 Credits, 4 Lecture, 0 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture
 This course introduces students to the area of risk management using financial derivatives like futures, forwards, options and swaps used by corporations, financial institutions and investors. Overall, the goal of this course is to enable students to understand the theory and tools used in measuring, mitigating and using financial derivatives in arbitrage, hedging and speculation strategies. Students will be introduced to the derivatives principles, markets, pricing models. Students will explore the derivatives markets using databases like Bloomberg and implement and calculation profit/loss positions using technical trading tools. We address advantages, ethical issues, misuse, and future developments in derivatives using cases.

Pre-requisite: IBS214 and IBS321 and IBS323

IBS326 - Financial Statement Analysis

4 Credits, 3 Lecture, 2 Lab, 3 Forum hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 Financial statement analysis builds upon accounting fundamentals to help decisions regarding the allocation of resources. This module focuses on the use of financial statements for financial decision making and discusses how accounting choices can affect these decisions. The course includes a detailed analysis of the business valuation framework to facilitate strategic decisions of future investments and to assess the impact of past decisions and help strengthen students' understanding of the core financial dimensions of a business. The topics discussed include accounting standards, financial statements, financial analysis tools, ratio analysis, forecasting and business valuation.
 Pre-requisite: IBS323

IBS327 - Islamic Banking and Finance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture
 Islamic banking and finance refer to how banking systems, corporations, and individuals conduct financial and investment transactions in compliance with Sharia principles (Islamic law) as governed by Islamic economics. This course introduces students to those Sharia principles and discusses the rationale behind such principles showing how Islamic finance can lead to more equitable distribution of wealth and greater societal welfare. Students in this course will learn examples of various Islamic financial contracts based on the concepts of risk-sharing and the prohibition of Riba (usury) and will compare them to conventional financial instruments. They will also recognize how Islamic finance aligns with ethical and socially responsible finance. Key topics will include basic modes of Islamic banking and finance including: Murabaha, Mudaraba, Musharaka, Ijara and Takaful, in addition to methods for screening Islamic investments and structuring of Islamic bonds (Sukuk).
 Pre-requisite: IBS321

IBS328 - FinTech Innovations

3 Credits, 2 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 Financial Technology (FinTech) represents solutions that employ new technologies including machine learning and artificial intelligence (AI) to provide disruptive solutions in the field of Finance and Financial services. This course is designed to provide students with a core foundational understanding of the applications of FinTech and learn the taxonomy of disruptive innovations that are reshaping financial services. The topics considered will include cryptocurrencies, blockchain, smart contracts, AI techniques for big data, cybersecurity, privacy and RegTech (Regulatory Technology) for the financial sector.
 Pre-requisite: IBS322 and IBS321

IBS329 - Green and Sustainable Finance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture
 Integrating sustainability into financial systems and markets is increasingly gaining attention as searching for profits in sustainable endeavors is becoming the new corporate norm. In this course, students will understand what green and sustainable finance means, how different it is from conventional finance, and why it is escalating in importance. The students will gain a comprehensive overview of key market participants and major pillars underpinning the success of transforming the financial system into a more sustainable one. They will also explore major challenges facing such transition. The course covers a diverse of topics illustrating sustainable financial solutions and strategies such as: green bonds and loans, sustainable banking and asset management, ESG investing strategies, climate risk management, renewable energy finance, and carbon finance.
 Pre-requisite: IBS321

IBS340 - Business Analytics

3 Credits, 2 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 Business analytics refers to the processes by which enterprises

use data to gain insights into their operations and make better decisions. Business analytics is widely applied in operations, marketing, and finance among other business functions. This course prepares students to lead in analytics-driven organizations. It includes hands-on work with data and software and focuses on data acquisition, organization, and analysis in a business setting. Topics include descriptive analytics, predictive analytics, data mining, forecasting techniques, simulation, and decision optimization tools. The course will also cover behavioral and psychological aspects in analytical approaches to making decisions with multiple objectives.

Pre-requisite: IBS310

IBS344 - Needs Identification and Product Development

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

In this course, we will explore different approaches to need identification, product design and development, and market introduction. We will learn how to understand our customers and their needs and learn how to identify the new market potential of existing products. We will delve into the conception, design, planning, and forecasting phases of new product design. Finally, we will explore the process of realizing a product in different business settings, and learn how to introduce new products to various markets. To do this, we build on our knowledge of market research, consumer psychology, and creative problem-solving from previous courses.

Pre-requisite: IBS210 and IBS211 and IBS212 and IBS213

IBS345 - Venture Initiation and Valuation

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course provides you with a broad stroke understanding of startup finance in venture capital and entrepreneurial ecosystems. We will analyze the venture capital industry from the perspective of both global entrepreneurs and investors. We will observe shifting funding trends around the globe toward businesses that reach social and ecological goals as opposed to those that historically simply have created the next widget or service. We will discuss how entrepreneurs, investors, and policymakers can move the needle in order to bring about more equal access to entrepreneurial capital.

We will analyze new ventures and projects from readings, real-world illustrations, case studies, a location-based assignment, and your own business plan. Relying on skills developed in IBS211, we will utilize a toolkit that sharpens your ability to create legal entities, engage in investor negotiations, manage employee retention, utilize real options, understand discounted cash flow, venture capital method, and comparable valuation, among other helpful techniques.

As potential entrepreneurs, you also learn how to raise capital and effectively interface with investors, board members, employees, and other stakeholders in order to maximize positive outcomes. You will build "muscle memory" so you can raise capital and effectively interface with stakeholders in future business creation and growth. The overall goal of this course is to bolster your ability to work with scarce resources while balancing growth and profitability in socially and ecologically responsible businesses and investments.

Pre-requisite: IBS210 and IBS211 and IBS212 and IBS213

IBS346 - Business Operations

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

In this course we will study the entrepreneurial process from inception through early growth stages and the unique challenges of competing with highly constrained resources. Integrate financial planning, organizational design, product development, market penetration and supply chain strategies while addressing risk-reward trade-offs.

Pre-requisite: IBS210 and IBS211 and IBS212 and IBS213

IBS348 - Business Processes

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
A business process is a set of activities that jointly realize a business goal in an organizational and technical environment. This course covers how business processes are analyzed,

designed, deployed, and continuously improved. Business process management (BPM) is concerned with the concepts, methods, and techniques that support the analysis, design, administration, configuration, enactment, and change management of business processes. In the course, we will go through the various phases of the BPM lifecycle: process identification, discovery, analysis, redesign, implementation, and monitoring and controlling.

Pre-requisite: IBS212

IBS356 - Business Systems

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

In this course, you will learn strategic and tactical decision-making for the design and operation of product and service delivery systems. You will consider strategies to increase competitiveness while managing risk. Compare approaches to business process outsourcing, quality management, partnering, and supply chain coordination and rationalization.

Pre-requisite: IBS210 and IBS211 and IBS212 and IBS213

IBS361 - Leading and Transforming Organizations

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Understanding employee behaviors and motivation are at the core of instilling necessary organizational changes. This course critically examines theories and research of organizational behavior, leadership, and organizational change. Topics from social and cognitive psychology are synthesized, tapping into the basic fundamental psychological processes underlying employee behaviors and performance in the workplace. Concepts and topics related to leading and motivating employees through organizational change to achieve a superior goal are discussed.

IBS364 - Mergers, Acquisitions & Alliances

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

The corporate landscape continues to be transformed by mergers, acquisitions and alliances (MAA) between organizations. In practice, many mergers and acquisitions fail in their objectives and destroy value for acquiring companies. Therefore, today's business professionals need to be equipped with the skills required to evaluate strategic requirements for MAA, identify potential target organizations, arrive at an appropriate valuation of a transaction, and negotiate a deal. Once a MAA transaction has been concluded, integration between organizations needs to be managed in order to maximize benefits for all stakeholders. Successful professionals working with MAA require skills from several business disciplines, including strategy, finance and organizational behavior. This interdisciplinary nature of the topic is reflected in the course contents.

Pre-requisite: IBS361 and IBS455

IBS365 - Market & Competitive Analysis

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

In order to plan and implement growth strategies, managers need to be able to analyze the markets in which they operate and the competitors they face. This course equips students with the skills needed to analyze markets and competitors in multiple ways and use the results of this analysis in strategic decision making. A variety of tools and perspectives that incorporate different disciplines (Economics, Finance, Strategy, Political Science) are covered. Specific tools and frameworks dealt with in this course include the PESTLE analysis, five forces analysis, competitor analysis, and benchmarking.

Pre-requisite: IBS454 and IBS361 and IBS455

IBS380 - Digital Visibility

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

In this course you will learn and execute the fundamentals of becoming visible to potential customers online. Each student will gain an understanding of basic digital visibility principles with a focus on applying that knowledge using out-of-the-box solutions commonly used by real new businesses in the

UAE. By the end of the course you will have created a website, begun your knowledge leadership journey, executed a content marketing strategy, optimized your content for search engines, created a social media strategy and assessed the effectiveness of your work via relevant analytic tools.

IBS381 - Positive Organizational Development

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course addresses the application and implications of concepts and theories related to the creation, development and change of organizations formally known as the domain of Organization Development. We will examine literature and research on organizational creation and systems change from modernist and post-modernist perspectives. Specific attention will be given to normative –re-educative models and recent movements in strength-based models of change informed by positive psychology and positive organization scholarship. This course will teach you a new way of thinking and how that influences the action you take in creating and developing an organization of your own. You will learn theories from Positive Organizational Psychology and how to convert them into practical usage for planning your startup journey. Additionally, you will learn how your personal ideas, character and beliefs influence your start-up and how to manage its development over time.

IBS401 - Advanced Accounting

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

Advanced accounting helps students to gain a deeper understanding of the important role that accounting plays in today's complex business environment. This course aims to apply advanced accounting principles, procedures, and techniques used to solve business problems and make financial decisions. The course utilizes real workplace scenarios to rigorously expose students to current industry trends and standards. The course focuses on advanced topics such as dilutive securities, computing earnings per share, equity and debt investments, leases, income tax, business combinations, consolidated financial statements, and foreign currencies.

Pre-requisite: IBS303

IBS402 - Costing

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course focuses on developing and analyzing cost information for management decision-making, using a variety of computer and quantitative techniques. Building on materials covered in Managerial Accounting for Business Decisions, Costing teaches students to develop costing systems suitable for alternative organizations, utilize costing tools to make decisions on inventory management, pricing, cost management, and overall corporate strategy. The course also aims to improve students' analysis and communications skills through the hands-on use of Excel spreadsheets and in-class case study discussions on contemporary costing topics.

Pre-requisite: IBS301

IBS403 - Auditing

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

The course is designed to address three overall interdependent objectives: 1. Familiarize the students with the audit process, including a description of the audit profession, services rendered, assessment of risks and responses to these risks, and contemporary auditing issues; 2. Explore common analytical methodologies and tools used in audit engagements; and 3. Examine fraud schemes, explore methods of fraud detection and prevention and identify how forensic accounting may provide support for fraud detection.

Pre-requisite: IBS303

IBS404 - Corporate Taxation

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course introduces the accounting and taxation methods

for different types of businesses. It explains the different types of taxes applied with a specific focus on the value-added tax and the various tax rate structures. The course explains the tax treatment for various organizations such as corporations, partnerships and sole proprietorships. It also discusses other relevant topics such as the tax consequences of business transactions and how they affect net present value, the variables that determine the tax outcome of the transactions, the basic income tax planning maxims, the basic differences between the computation of book income and taxable income, and the tax consequences of personal activities.

Pre-requisite: IBS303

IBS405 - Accounting for Government, Oil and Gas, and Not-for-Profit Organizations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course provides students with an understanding of accounting issues in non-business contexts, particularly in relation to governmental and not-for-profit organizations. It also provides students with an understanding of accounting issues in relation to the oil and gas industry, especially issues relating to the accounting treatment of preproduction and production costs as well as revenue recognition in light of international accounting standards. It also equips students with the tools needed to critically evaluate contemporary accounting issues in the public and private sectors as well as in the oil and gas industry.

Pre-requisite: IBS303

IBS406 - Strategic Management Accounting

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

The fundamental purpose of strategic management accounting is to help an organization achieve its strategic objectives to satisfy the needs of its stakeholders. This course aims at identifying/applying various tools/techniques to create value and satisfy stakeholders' needs. The course utilizes contemporary aspects that are expanded on in global business environment and leadership. The course covers five main aspects concerning strategic management accounting tools for: management decision-making; performance management/measurement; capital budgeting; contemporary planning techniques; and environmental/social awareness in business context.

Pre-requisite: IBS402

IBS410 - Corporate Business Law & Ethics

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course is designed to provide an introduction to legal and ethical issues within the business environment. Students will not only learn the basics of the UAE legal system but will also learn how contracts are created and enforced. Students will delve into corporate law, principal agent relationships, government regulation and sustainability issues. Students will study the foundation of ethics and ethical theories currently being used in the business environment to make decisions, and will apply those theories through examples and case studies. The course also covers current issues affecting businesses, including resolving commercial disputes, arbitration, corporate social responsibility, international trade, letters of credit, and employment relationships and equal opportunity in employment.

Pre-requisite: IBS212 and IBS213

IBS411 - Negotiation and conflict management

3 Credits, 0 Lecture, 4 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Negotiation and conflict are two of the fundamental constructive processes by which individuals, ideas and businesses grow. However, these two forces have the potential to be destructive in the hands of a novice. This course will introduce you to the fundamentals of negotiations and managing conflict. Building upon a solid foundation of theory and research, this course will all give you the opportunity to develop and practice the skills and competencies that allow for success. This will be done via hands-on role-plays and simulations. Topics covered in this

course include: interdependence, conflict management styles, strategy and planning, integrative and distributive planning and tactics, cross-cultural issues, multi-party and team negotiation skills, and ethics.

IBS445 - Advanced Operations Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course will introduce students to concepts and techniques related to the design, planning, control, and improvement of manufacturing and service operations. The course begins with a holistic view of operations, where we stress the coordination of product design and development, operations design, operations planning, and control and operations performance analysis and improvement.

Pre-requisite: IBS346 and IBS356

IBS446 - Managing Global Supply Chains

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

Supply chains are concerned with the efficient integration of suppliers, factories, warehouses and stores so that products are distributed to customers in the right quantities and at the right time. One of the primary objectives of supply chain management is to minimize the total supply chain cost while satisfying customer requirements. This course explores the key issues associated with the design and management of global supply chains and equips students with the fundamental approaches and tools to support practical and supply chain decision-making. The topics introduced in this course include supply chain performance, drivers and metrics, supply chain design, logistics management, supply chain coordination, sustainability in supply chains, and green logistics. The course will also discuss the role of information technology in supply chains.

Pre-requisite: IBS346 and IBS356

IBS454 - Strategic Brand Leadership

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

In this course, we build on your knowledge of market research, consumer psychology, and creative problem-solving to understand and explore different approaches to growth. Throughout the course, we will delve into new metrics for measuring marketing's worth, leverage psychological principles for brand building, and analyze the power of partnerships for growth. Throughout the semester you will propose, execute, and evaluate experiments to get first-hand experience in growing a brand. We will place these activities into the larger context of the firm and will explore the strategic role that they play in business development.

Pre-requisite: IBS210 and IBS211 and IBS212 and IBS213

IBS455 - Capital Allocation and Value Creating Growth

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

In this course, you will investigate how growing enterprises use their balance sheets to execute growth strategies. you will learn how cash flow is affected by growth. you will convert proposed strategy into projections of future financial performance, and apply discounted cash flow and real options to select among opportunities that create business value. Learn the role of finance in selecting and valuing appropriate M&A candidates and alliances and explore strategies for achieving synergy. Analyze alternatives for financing growth strategy.

Pre-requisite: IBS210 and IBS211 and IBS212 and IBS213

IBS461 - The Future of Work

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

Humans are the most valuable yet expensive resource in business enterprises. However, the importance of effectively managing employees and continuously improving the organizational system to meet the fast-changing needs of the market is oftentimes overlooked. The course develops students' understanding of the basic components of human capital management while orienting students towards the future-centric mindset of how the changes in technology, the labor

market, and work platforms will impact business enterprises and their best practices.

Pre-requisite: IBS361

IBS466 - Business Optimization

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

In this class we study ways to optimize organizational structure, processes, and systems that support key business functions in large enterprises. We learn build, buy, and partner strategies, identify the major pitfalls in systems design and management, and navigate the often conflicting requirements that drive profitability. The goal of the course is to examine how large enterprises use their operational systems to synchronize product or service availability with market potential.

Pre-requisite: IBS210 and IBS211 and IBS212 and IBS213

IBS480 - Customer Journey Management

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

The arc of this course is based around how to convert prospects into customers, and how to manage the customer journey to ultimately be a successful start-up or small business. In this course you will learn about the conversion funnel as it relates to digital business. Beginning with paid media (such as search engine advertising and social media influencers) to bring prospects into the funnel, students will then learn to how to convert a prospect to a customer using digital business best-practices. The second part of the course will focus on managing and optimizing the customer relationship, using techniques such email marketing automations, and remarketing. Optimization is underpinned with a focus on analytics.

Pre-requisite: IBS380

IBS485 - Venture Creation

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course is a holistic teaching and learning approach that enables students to be more entrepreneurial. This course aims to help students to develop entrepreneurial confidence, which helps them to build an entrepreneurial mindset and capability in their pursuit of new opportunities. This course follows three entrepreneurship components: mindset, networks and frameworks. Frameworks include entrepreneurship knowledge, cases and tools relating to opportunity recognition, minimum viable product, business models, case studies and sales processes. Networks relate the understanding of entrepreneurship team culture and diversity and an awareness of the entrepreneurship ecosystem of support and connectivity. Finally, Mindset covers activities that develop entrepreneurial behaviors and effectuation, entrepreneurial team culture and the psychology of being an entrepreneur. This course will cover its objectives by a series of assessments that are applied and will culminate in a team-based entrepreneurship project that proposes a new business venture opportunity. Importantly, this course provides students with a real understanding of the vital role to be played by entrepreneurs and entrepreneurship in the development of a sustainable knowledge-intensive economy.

Pre-requisite: IBS381 and IBS480

ICB101 - Strategic Learning and Growth

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course focuses on key skills that students can improve in order to be successful at university and beyond: cognitive flexibility, working memory, and inhibitory control. It provides tools for students to reflect, plan, and act in ways that will allow them to learn new skills and reach goals more effectively. Students study key scientific findings related to learning and executive functioning and practice creating habits that promote self-awareness, knowledge acquisition, efficient planning, and careful decision making. They explore techniques for self-directed learning to better navigate an ever changing world. The course will also focus on instilling a growth mindset and developing practical strategies for engaging in continuous cycles of reflection and learning.

ICB102 - Expressive Clarity

3 Credits, 0 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course focuses on clarity and style in communication. Students develop an understanding of why great writing and speaking matter and learn how to use effective word choice, phrasing, sentence structure, and tone across a variety of mediums. Students learn how to articulate their thoughts well at the level of the sentence, the paragraph, and the complete work, and to do so for both presentations and written pieces.

Co-requisite: ICB 110 or ICB 111

ICB103 - Applied Algorithmic Thinking

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

The purpose of this course is to learn how to apply fundamental concepts in computer science to solve real-world problems and how to implement basic algorithmic strategies in Python. We'll learn how thinking like a computer scientist can improve our own lives and how we can apply concepts from computer science to solve difficult problems. In this course, you will learn about data analysis and data visualization, about how to design code that is concise and easy to understand, and about how to think through problems computationally. By the end of the course, you will be able to construct your own interactive applications.

ICS210 - Data Structures and Algorithms

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

In this course, students learn how to apply core concepts in the design and analysis of algorithms and data structures to address computational problems. Hashing, searching, and sorting are a few examples of algorithms students learn to exploit strategies to solve problems. Course topics include: binary search trees, red-black trees, dynamic programming, and greedy algorithms.

Pre-requisite: ICB103 and IDS101 and IDS103 and IDS104 and IDS105 and ICB101

ICS211 - Single and Multivariable Calculus

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

In this course, students learn the principles of single and multivariable calculus needed to succeed in the concentration courses and beyond. While a traditional course in these topics focuses on the analytic techniques needed to do complex computations by hand, and evaluates students primarily on their ability to do so, in this course, students primarily learn to understand and apply concepts to solve problems in a variety of practical contexts. While the standard computational techniques are covered and practiced, students will take full advantage of technologies such as Sage to supplement their skills. In this course, students learn about limits and continuity, differentiation, and integration. Topics include: single and multivariable differentiation, optimization, Lagrange multipliers, single and multivariable integration, and differential equations. This course requires an online meeting with the instructor outside of normal class hours as part of the final assessment. This meeting will be scheduled during weeks 14 or 15.

Pre-requisite: IDS103 and IDS104

ICS212 - Causal Inference

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

The course focuses on the application of predictive and causal statistical inference for decision making across a wide range of scenarios and contexts. The first part of the course focuses on parametric and non-parametric predictive modeling (regression, cross-validation, bootstrapping, random forests, etc.). The second part of the course focuses on causal inference in randomized control trials and observational studies (statistical matching, synthetic control methods, encouragement design/instrument variables, regression discontinuity design, etc.). Technical aspects of the course focus on computational approaches and real-world challenges. This course will also emphasize the importance of being able to articulate one's findings effectively and tailor methodology and policy/decision-relevant recommendations for different audiences.

Pre-requisite: IDS103

ICS213 - Theory and Applications of Linear Algebra

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

In this course, students learn the principles of linear algebra needed to succeed in the concentration courses and beyond. In addition to learning the traditional material on matrix algebra, systems of equations, and vector spaces, students learn to understand and apply concepts to solve problems in a variety of practical contexts. Topics include: graphs, networks, eigenvectors, and determinants. While the standard computational techniques are covered and practiced, students will take full advantage of technologies such as Sage to supplement their skills. This course requires an online meeting with the instructor outside of normal class hours as part of the final project. This meeting will be scheduled during weeks 14 or 15.

Pre-requisite: IDS103 and IDS104

ICS214 - Probability, Statistics, and the Structure of Randomness

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course provides a modern introduction to probability and a strong foundation for future study of statistical inference, stochastic processes, machine learning, randomized algorithms, econometrics, and other subjects where probability is needed. The course introduces the theory and applications of both probability and statistics in order to make sense of real-world observations in scientific, social, economic, medical, and various other contexts. In this course, students will learn how to answer the questions usually asked to find structure in random and messy real-world data. Special focus will be given to these topics: Parameter estimation, Model selection, Prediction, and Causal inference.

Pre-requisite: IDS103 and ICS211

ICS215 - Mathematics For Computational Systems

3 Credits, 0 Lecture, 2 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course is an introduction to the foundational techniques from linear algebra and discrete mathematics that are essential for mastering the computational sciences. This course develops the tools necessary for the analysis of linear systems, emphasizing both abstract notions such as vector spaces, linear maps between them, and their matrix representations. In addition to mastering foundational matrices and graphs, students learn to apply both linear systems and discrete concepts to solve problems in a variety of practical contexts. While the standard computational techniques are covered and practiced, students will take full advantage of technologies such as Sage to supplement their skills. This course requires an online meeting with the instructor outside of normal class hours as part of the final project. This meeting will be scheduled during weeks 14 or 15.

ICS220 - Programming Fundamentals

3 Credits, 0 Lecture, 2 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course transitions the student's approach to problem solving from the procedural approach to the Object-Oriented (OO) approach. The transition happens by supporting students to address real-world problems by encapsulating behaviors and related attributes into a single unit - the Object. The course will enable students to analyze, design, and develop solutions by learning the OO concepts of Classes, Objects, Class Relationships, Polymorphism, and Database Management System. The concepts use the OO principles of Abstraction, Encapsulation, Association, and Inheritance, and are implemented using UML and an OO programming language.

Pre-requisite: ICS215

ICS264 - Optimization Methods

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

Learn to use and analyze optimization techniques such as linear, quadratic, semidefinite and mixed-integer programming.

Explore optimization algorithms such as Newton's method, interior point methods and branch and bound methods. Topics of the course include: unconstrained and constrained optimization, integer programming, as well as convex and non-convex programming/optimization.

Pre-requisite: ICS210 and ICS211

ICS315 - Computational Bayesian Statistics

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

How do weather scientists know for sure that a hurricane will hit the coast in two days? How would one devise methods to forecast sales of a product? At the end of this course you should be equipped with tools with which to gather and interpret data, but you should also be able to inform a scientific or business decision on the basis of statistically rigorous arguments. We start the course by connecting probability theory and statistics with Bayesian inference, which is the mathematical framework for using observed data to update the information we have of a system. Thereafter most of the course is focused on the data modeling process, covering various real-world scenarios from sports, medicine, vehicle tracking, social sciences, and more. The last few weeks of the course are spent on more advanced topics - probabilistic graphical models and Monte Carlo sampling - that allow us to work with large models containing many variables and large data sets.

Pre-requisite: IDS103

ICS330 - Attack and Defense in Cyberspace

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course introduces advanced topics with respect to network attacks and their defenses. It presents the security of protocols and technologies in local and global networks; IP Security and other communication level security systems; LAN security authentication, secure E-mail, secure WWW, with examples and practical solutions. In addition the course covers network and computer penetration-testing techniques that security testers use to protect computer networks. The course provides a structured knowledge base for preparing security students to discover vulnerabilities and recommend solutions for tightening network security and protecting data from potential attackers

Pre-requisite: ICS230 and ICS360

ICS331 - Applied Cryptography and Identity Management

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Cryptography is one of the most important mechanisms used to protect our information. The objective of this course is to teach students how to use and correctly manage cryptographic algorithms. The course will first present the most popular cryptographic primitives and then discuss a set of applications to cryptography such as TLS, Blockchain and many other modern protocols used for identity management such as OAuth 2.0 and Openid connect.

Pre-requisite: ICS230 and ICS215

ICS340 - Database Systems

3 Credits, 0 Lecture, 2 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course covers the fundamental concepts of database systems. Topics include data models (ER, EER, relational database); query languages (relational algebra and SQL); implementation techniques of database management systems (index structures, concurrency, control recovery, and query processing).

Pre-requisite: ICS220

ICS341 - Big Data Analytics

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Big Data Analytics is a process for exploring big data and datasets, developing algorithms for statistical analysis of big data, answering complex questions, and visualizing results to the key stakeholders. This course presents the fundamentals of descriptive and predictive analytics, the life cycle, the tools needed to clean and validate data, explore and visualize the results, and use existing models to predict and explain real-

world science, engineering, and business problems.

Pre-requisite: ICS340 and ICS214

ICS350 - Introduction to Artificial Intelligence

3 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course provides an introduction to the various sub-areas of Artificial Intelligence (AI). The course provides a broad understanding of Artificial Intelligence and covers its fundamental principles including knowledge search, reasoning, supervised learning and reinforcement learning. The course introduces students to the structures and strategies used for unstructured problem solving, a core expertise in today's work environment.

Pre-requisite: ICS220

ICS351 - Machine Learning

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Students learn to apply core machine learning techniques- such as classification, perceptron, neural networks, support vector machines, hidden Markov models, and nonparametric models of clustering- as well as fundamental concepts such as feature selection, cross-validation and over-fitting. Students program machine learning algorithms to make sense of a wide range of data, such as genetic data, data used to perform customer segmentation or data used to predict the outcome of elections. Course topics include: deep learning, recurrent neural networks, regression, Bayesian models, and linear models.

Pre-requisite: ICS210 and ICS211 and ICS213

ICS352 - Theory and Applications of Artificial Intelligence

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Apply methods and algorithms from Artificial Intelligence (AI)- such as propositional logic, logic programming, predicate calculus, and computational reasoning- to a diverse range of applications from robot navigation to restaurant selection with expert systems. Discover AI in action through an exploration of robotics, and gain an appreciation of its convergence towards modern machine learning methods. Learn about key topics in the area such as state space search, A* search, heuristics, agents, predicate logic, and knowledge engineering.

Pre-requisite: ICS210 and ICB103

ICS353 - Perceiving the World through Computer Vision

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Computer Vision has become fully integrated in our society, with applications in security, smart homes, image understanding, apps, mapping, medicine, drones, and self-driving cars. Core to many of these applications are visual recognition tasks such as image classification, localization and detection. Recent developments in neural network approaches have greatly advanced the performance of these state-of-the-art visual recognition systems. This course is a deep dive into the details of computer vision with a focus on learning end-to-end models for these tasks, particularly image classification.

Pre-requisite: ICS350

ICS360 - Computer Networks Fundamentals

3 Credits, 0 Lecture, 2 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course covers the key foundations, components, and operations of computer networking. The topics covered include network terminology (e.g., end systems, router, switch), standards (e.g., ISO, IETF/RFC, IEEE 802), reference models (OSI, TCP/IP), protocols (e.g., HTTP, TCP, IP, Ethernet), classification categories (topologies-Star/BUS, size-LAN/WAN, media-Wired/Wireless), communication paradigms (client-server vs. P2P), switching and routing, VLANs, application areas (e.g., WWW, multimedia, email), and wireless communication and mobility. It also describes the fundamentals of computer operating systems, such as processes, threads, scheduling, memory and file-system management.

Pre-requisite: ICS210

ICS362 - Software Development

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 This course is organized around the principle that the only way to learn software development is to develop software. You will work together as a team to develop a significant web application. Examples include a social media application or a distributed chat system. You will have the opportunity to apply and experience all aspects of software development, including requirements analysis, design, planning, implementation, testing, and deployment. Course topics include: scrum framework, agile development, UML, design patterns, Web programming, databases, and security.
 Pre-requisite: ICS210 and ICB103 and ICB101 and IDS101 and IDS103 and IDS104 and IDS105

ICS366 - Modeling and Analysis of Complex Systems

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours
 Schedule Type: Interdisciplinary UG Lecture
 Have you ever wondered how people use computers to make decisions? In this course, you will learn how to apply advanced modeling techniques such as cellular automata, network concepts from graph theory, probability theory, and Monte Carlo simulation to analyze and predict the behavior of social, physical, and economic systems. You will learn from specific examples applied to portfolio management, traffic flow management, and analyzing social networks. We start the course by diving straight into your first simulation in the first week. You write structured code in Python from the first until the last week of the course. After the first week, we cover three modeling frameworks- cellular automata for modeling interactions on grids of cells, networks for more general interactions between nodes in a graph, and Monte Carlo simulations showing how we can use simulation to generate random numbers and how we can use random numbers to drive simulations of complex phenomena. We cover theoretical (mathematical) and practical (implementation) aspects of each of the three frameworks. Please read the course prerequisites and course policies, to be adequately prepared for the start of the course.
 Pre-requisite: ICS213

ICS420 - Parallel Programming & Distributed Computing

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 Students learn the fundamentals of parallel programming and distributed systems within a data-centric distributed system context. The course covers parallel programming theory such as, concurrency, parallel models, parallel patterns, as well as distributed systems theory, such as distributed architectures, scalability, processes, coordination, replication, and fault tolerance. Topics include GPU programming, OpenCL, MPI, message passing, and cloud computing.
 Pre-requisite: ICS220 and ICS360

ICS430 - Governance, Compliance, and Risk Management

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 This course presents the field of Information Security from a risk management perspective. An overview is presented of the concepts, methods, models, and procedures related to establishing a secure information security perspective in an organization. This covers all relevant essential components of managing risk in an organization, including the application of security standards/models, IT governance frameworks and compliance for security, contingency planning, risk assessment, and security policies.
 Pre-requisite: ICS330

ICS431 - Digital Forensics and Incident Response

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 The course focuses on cybercrime detection, containment and isolation, root cause analysis, and threat intelligence correlation, and incident handling and response. Students will learn the forensic investigation process i.e., to acquire, preserve, analyze, and report findings from common high-tech crimes using cybercrime investigation methods, forensic

analysis tools, evidence mining correlation methods, and writing professional investigation reports for non-technical professionals. Students will also be exposed to state-of-the-art incident-response policies and procedures including the use of SOC tools and operations.
 Pre-requisite: ICS330

ICS432 - Software Security

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 A great deal of cyber-attacks are attributed to well-known and common vulnerabilities due to the lack of knowledge of developers about these vulnerabilities, as well as the inherent vulnerabilities in systems. This course will explore critical software vulnerabilities and attacks that exploit them, which include but are not limited to buffer overflows, SQL injection, and session hijacking. Importantly, this course will enhance a "security by design" mentality through defence and countermeasures such as code reviews, dynamic code analyses, program verification and code tainting, the effectiveness of standard hardening mechanisms that can strengthen the security of software systems. Furthermore, learners will be equipped with knowledge in Linux security ranging from basic to advanced approaches to formally build verified trustworthy software systems: reliability, availability, safety, resilience, and security.
 Pre-requisite: ICS220 and ICS330

ICS441 - Data Science and Decision Making

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 This course equips students with skills to extract, manage, summarise, and analyse large amounts of data that can help in informed decision making. The course incorporates standard tools, models, algorithms, and techniques to understand the relationship of the results with real problems and communicate the solutions/outcomes to the key stakeholders. The course in its entirety covers different topics which mainly focus on not only the technicalities of data science but also the more practical aspects which entail solving day to day business challenges. Students will learn cutting-edge tools, technologies, algorithms, and statistical models to forecast, predict, and evaluate different policy options, solutions, and business strategies. Following topics are covered in this course: Data Science, Decision Making, Statistics, Python and R utilisation for Data Science, Machine Learning, Deep Learning, Clustering, Classification, Regression, Recommendation Systems, Predictive Modelling, and Impact Analysis.
 Pre-requisite: ICS341 and ICS346

ICS442 - Theory of Computation

4 Credits, 4 Lecture, 0 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture
 Students learn about models of computation that provide the theoretical basis for modern computer science. Topics include deterministic and non-deterministic finite state machines, Turing machines, formal language theory, computational complexity and the classification of algorithms. Students practice building a variety of automata and Turing machines using Python. What are the language grammars? And what role does a grammar play in the way we analyze problems, solve problems, communicate with the computer, and even analyze natural languages? What makes a problem difficult to solve? Are some problems intrinsically harder than others, or is it that just because we have not yet discovered more efficient solutions? What, if any, are the limits of what can be solved with a computer? The techniques presented in this course shed light on why some computational problems are hard or even tractable. Students also gain experience communicating mathematical ideas in a rigorous fashion.
 Pre-requisite: ICS210

ICS443 - Visual and Interactive Analytics

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 This course provides learners with the required knowledge and skills to develop a strong foundation in information visualization and to design and develop advanced applications

for visual data analysis. The course covers both practical and technical aspects of data visualization with the visualization tools. Below are the topics which are to be covered in this course. • Foundations of information visualization • Information overload. • Understanding data types • Purpose of data visualization (communicate, explore, and confirm) • Basic data charts • Advanced visualizations • Animated visualizations • Interaction techniques commonly used in visualizations • Dashboard design considerations • Geographical based visualizations • Visualizing network-based data To provide students with practical experience on real world problems, data from existing business in different industries shall be used for purposes of learning.

Pre-requisite: ICS210

ICS450 - Applied Neural Networks and Deep Learning

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

The course provides the foundation concepts of applied deep learning. The topics to be covered include basic conceptual understanding of deep learning, deep learning programming frameworks, bias and variance, initialization methods, and regularization, loss functions and optimization, Multilayer Perceptrons (MLPs) and backpropagation, neural network training fundamentals, convolutional neural networks (CNNs), transfer learning, recurrent neural networks, attention and transformers, variational autoencoders, generative adversarial networks, deep reinforcement learning, and adversarial attack and defense methods.

Pre-requisite: ICS351

ICS451 - Natural Language Technologies

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Natural Language Processing (NLP) is a rapidly evolving field applied in different domains such as linguistics, sciences, social sciences, and the humanities. This course presents different ways to understand human languages from a computational systems point of view and utilize those representations to develop programs to interact with humans. This course covers a broad range of topics in natural language processing, including word and sentence tokenization, text classification, detect text similarity, information extraction, vector Semantics, information retrieval, parts of speech, and Named Entities. The course discusses various models and techniques in current NLP practices.

Pre-requisite: ICS350

ICS453 - Autonomous Systems

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Autonomous Systems (AS) aims to introduce the students to agent and multi-agent systems, the approaches for developing intelligent autonomous systems decision making and the programming of multi-agent systems and robotics. Students will be able to choose the appropriate types of sensors and actuators for the intelligent autonomous systems and apply computer vision and deep learning techniques to detect the world near the autonomous system and react to the surrounding environment.

Pre-requisite: ICS450 and ICS353

ICS454 - Applied Math

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course focuses on contemporary applied mathematics topics as pertaining to mathematical modeling of real world systems. We use analytical methods and advanced computational tools to model and solve complex problems. Specifically, we develop models for static and dynamical systems using primarily tools from the fields of differential equations and linear algebra. We complement analytical discussions with the implementation of numerical methods and simulations, interpreting the results in the context of the real-world system. In summary, we examine methods to interpolate data, solve linear and non-linear systems of equations, model dynamical systems with the use of ordinary and partial differential equations, and apply Fourier Analysis to model and process signals. The numerical

implementation of mathematical methods will be developed primarily using MATLAB or Octave.

Pre-requisite: ICS211 and ICS210

IDS101 - Critique and Communication

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

From the languages we speak to the images we see, our world is layered with information. In order to communicate effectively, we need to learn how to analyze these layers, see how they are organized, and understand how they will be perceived by different audiences. Learning to take critical perspectives improves our ability to weigh evidence, evaluate decisions, and craft persuasive, well-supported arguments. In this course, students learn to extend the principles of close reading and careful writing to a wide range of written and multimedia communications.

Pre-requisite: ICB102

Co-requisite: IDS110 or IDS111

IDS102 - Applied Creative and Critical Thinking

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Logical reasoning, problem solving, and recognizing and mitigating cognitive biases are among the most fundamental skills that facilitate effective work in any area. In this course, we systematically practice these skills, learning to apply them to concrete problems across domains. Students will gain a foundation in critical and creative thinking upon which they can build expertise in disciplinary knowledge.

Pre-requisite: ICB102

IDS103 - Statistical Intuitions & Applications

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

In this course, students are introduced to a number of tools from probability and statistics and learn the basics of data science. They will practice extracting useful information from data, represent problems formally, and interpret results. They cover a number of statistical topics including: Probability and conditional probability. Populations and samples. Random variables, descriptive statistics, and distributions. Correlates, controls, and confounds. Models of random systems including regression models. Inference, confidence, and significance. Professional standards in data science and related quantitative disciplines.

Pre-requisite: ICB103

IDS104 - Deriving Insights from Evidence

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Students in this course learn to combine creative and critical thinking to quantitatively apply methods used in the natural and social sciences. Students learn to frame problems effectively, develop and test hypotheses, and derive insights from empirical evidence. Students will dig deeply into different types of data; comparing cases in which direct manipulation of the phenomena being studied is not possible (such as observational studies, case studies, and surveys), and cases in which variables are manipulated to different degrees (such as randomized controlled medical trials and quasi-experiments). We emphasize the tenets of good research design, strengths and limitations of different design types, quantitative methods to validate data, and the generalizability of inferences drawn from distinct study designs.

Pre-requisite: ICB102 and IDS102

Co-requisite: IDS103

IDS105 - Systems and Society

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course focuses on effective engagement in social systems. Students will examine social interaction through the lens of complex systems theory, which provides a powerful framework for understanding human behavior and group dynamics. Students learn to recognize that they are embedded within many different complex social systems, and they apply their understanding of these systems to analyzing and improving

social interactions.

Pre-requisite: ICB102 and IDS102

IDS206 - Systems and Strategic Leadership

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
Building on Systems and Society, students use their knowledge of complexity in social systems as a basis for learning tools for interpersonal and group engagement, including strategy development, negotiation, and leadership. By synthesizing knowledge of complex systems with techniques for influencing individuals and groups, students learn how to interact effectively within and across groups and organizations.

Pre-requisite: IDS102 and IDS105 and ICB102

IDS207 - Interpretation, Communication, and Design

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

Interpretation, Communication, and Design builds upon reading, writing and interpretive skills already developed and extends them to the interpretation and production of the visual arts, music, poetry, and moving images, singly and in multimodal and multimedia combinations. Among the questions addressed in the course are: how do these different modes of communication reinforce each other, what are the design principles behind effective communications, and in what ways are these rooted in human psychology, culture, and society. Topics addressed include: reading nonfiction, visual culture, persuasion, film, music videos, the digital humanities, and games.

Pre-requisite: IDS101 and IDS102

IDS272 - Research Methods

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course covers quantitative, qualitative, and mixed research methods as well as methods for data analysis. Applications of these methods are also covered, and specifically applications of research methods and data analysis. We use primary research literature related to seven case studies to examine different forms of quantitative, qualitative, and mixed methods research, and to understand the ways in which these techniques help address specific research questions. Primary texts for the course cover the broader context of research designs and the use of the R programming language for data analysis and visualization. Secondary texts relate to the case studies. Students facilitate class sessions, choosing and assigning to the rest of the class their own readings and original framing of a research approach to an assigned topic. Research methods include: Data analysis procedures, literature review, and interviews.

Pre-requisite: ICB103

IDS391 - Capstone Seminar I

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

The overall aims of the Capstone Seminar courses (IDS391 and IDS392) are to: Provide a framework, which incorporates the "toolkit" LOs, that students can use to prepare for and launch their independent Capstone projects during their last year, Provide a systematic progression of class sessions and work products in which specific tasks are designed to be useful to students regardless of topic, type of project, or stage of project development, Align work products and course experiences to leverage other programming and events across interdisciplinary programs Provide readings and resources to establish a common knowledge base for class activities and discussions. Employ productive peer review and feedback, structured so that students learn both from providing feedback and from receiving feedback.

IDS392 - Capstone Seminar II

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
IDS392, is the second semester continuation of the capstone seminar--an 8 credit seminar in total. In this seminar students select and propose the Capstone projects that they will pursue in their final year. A complete and professional proposal for a well researched, feasible, and novel Capstone project is

required to pass IDS392. This is in addition to a passing overall score (2.5 or greater) as noted in the Grading section of the Policies. Continuing from IDS391 in the fall semester, students identify and develop their top project idea(s) and synthesize compelling justification through background research, preliminary results, prototypes, and accompanying analysis. In the case of students who intend to link their Capstone to a forthcoming summer experience, this semester is devoted to developing and proposing a feasible backup project that could be accomplished independently. (An additional proposal would be due by the end of July for a project connected to a summer opportunity.) The overall aims of the Capstone Seminar courses (IDS391 and IDS392) are to:

- Help students to identify goals and interests that might inform their choice of Capstone project,
- Practice the approaches of research, product development, and creativity,
- Seek and learn from relevant external resources, and
- Seek and implement relevant feedback from others.

The course involves a 2 hour lab per week, in which students gain familiarity with the tools to produce projects such as: video documentaries, podcasts, apps, 3D printed business product prototypes, comic books, educational computer games, etc.

Pre-requisite: IDS391

IDS493 - Capstone Project I

4 Credits, 0 Lecture, 8 Lab, 0 Other hours

Schedule Type: Interdisciplinary Capstone Project (Undergraduate)

This course is for students in their fourth year who are pursuing a Capstone project after having successfully completed the third-year Capstone Seminar courses (IDS391 and IDS392). Capstone projects are devised, pursued, and presented by students. Students research, test, and select their Capstone topic during their third year, submitting a proposal for their intended project at the end of the yearlong Capstone Seminar course. During their final year, students meet regularly with their faculty Capstone Advisor and a peer group for ongoing discussion, critique, and support. At all stages, students are in charge of their projects, making critical decisions and engaging necessary resources, including outside experts and other individuals who can offer targeted advice and feedback. Through their Capstone project, students are expected to demonstrate their ability to think systematically, both in general terms and specifically related to their major(s). Any topic may be appropriate for a Capstone project provided that the project incorporates what a student has learned during their university experience. Operationally, this means that students must apply relevant learning outcomes (LOs) from their major(s). All student capstones must have a significant product component where students are required to build something in their area of academic interest. The options here include but are not limited to the following: video documentaries, podcasts, apps, 3D printed business product prototypes, comic books, educational computer games, etc. As a result, the course has 8 lab/studio/hands on contact hours per week. This syllabus lists only the specific meetings with one's advisor, and not the 8 lab/studio/hands on contact hours per week.

Pre-requisite: IDS391 and IDS392

IDS494 - Capstone Project II

4 Credits, 0 Lecture, 8 Lab, 0 Other hours

Schedule Type: Interdisciplinary Capstone Project (Undergraduate)

This course is for students in their fourth year who are pursuing a Capstone project after having successfully completed the third-year Capstone Seminar courses (IDS391 and IDS392). Capstone projects are devised, pursued, and presented by students. Students research, test, and select their Capstone topic during their third year, submitting a proposal for their intended project at the end of the yearlong Capstone Seminar course. During their final year, students meet regularly with their faculty Capstone Advisor and a peer group for ongoing discussion, critique, and support. At all stages, students are in charge of their projects, making critical decisions and engaging necessary resources, including outside experts and other individuals who can offer targeted advice and feedback.

Through their Capstone project, students are expected to demonstrate their ability to think systematically, both in general terms and specifically related to their major(s). Any topic may be appropriate for a Capstone project provided that the project incorporates what a student has learned during their university experience. Operationally, this means that students must apply relevant learning outcomes (LOs) from their major(s). All student capstones must have a significant product component where students are required to build something in their area of academic interest. The options here include but are not limited to the following: video documentaries, podcasts, apps, 3D printed business product prototypes, comic books, educational computer games, etc. As a result, the course has 8 lab/studio/hands on contact hours per week. This syllabus lists only the specific meetings with one's advisor, and not the 8 lab/studio/hands on contact hours per week.

Pre-requisite: IDS493

IDS499 - Internship

4 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Undergraduate Interdisciplinary Internship Supervision

Interdisciplinary programs are focused on "practical knowledge," which entails using material learned in class to address real-world problems or issues. Some of our students have had or plan to undertake internships or research projects while students at interdisciplinary program. Such experiences (along with a short paper documenting that experience and how PLOs were applied within the research/internship experience) can fulfill a requirement tutorial or elective course credit. No more than a total of eight aggregate semester credits can be satisfied by a combination of transfer credit, internship experience, summer research experience or prior experiential learning. To qualify for credit students must conduct their internship or research project under the supervision of a qualified supervisor (typically a faculty member at another institution for research projects or someone employed by the organization where the student is interning). The internship or research project can fall within the supervisor's larger project goals, but the student must contribute intellectually to the design and execution of the project and is responsible for writing the final paper describing the project.

IMT340 - Computer Graphics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the basic concepts of modern 2D and 3D Computer Graphics. Students will gain experience in the theoretical and practical aspects of Computer Graphics using recent platforms such as the Web Graphics Library. Topics include: Human vision, graphics programming and its mathematical definitions, colour models, material computations, lighting, viewing, and projections.

Pre-requisite: SWE225

IMT345 - Multimedia Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an overview of multimedia systems. Students examine how multimedia systems are used in industry, training, and education, and discuss guidelines for successful multimedia design and implementation. The course also traces the development and management of multimedia projects. Students create their own multimedia project using a range of media software tools.

IMT375 - Human Computer Interaction

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Human computer interaction stresses the importance of usable user interfaces and interactive technology as well as the importance of user experience design to effective human interaction with computing gears such as Laptops, tablets, smartphones, and wearable smart devices. Students will learn the fundamental concepts of Human-computer interaction and user experience design through working individually and in teams on bootcamp design projects. Students will learn how to evaluate while prototyping a wide variety of user interfaces

including Web, mobile and tangible interactive applications bridging cognitive, social and engineering design models. User experience and usability principles and related usability testing methods will be discussed and illustrated throughout a step-by-step team-oriented design projects.

IMT376 - Game Design, Prototyping and Programming

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course covers all the stages of game development for a wide variety of games including gameplay design, aesthetics prototyping and mechanics programming. Agile development approach and modern game engines are used. The course has a hands-on focus on team rapid development of game prototypes and adapting existing game engine development to develop new games. Topics cover player experiences, stories and storytelling, gameplay design patterns, game engine environments, game mechanics and dynamics as well as the SCRUM-based agile development methodology used in the team project.

Pre-requisite: SWE225 and IMT375

INS211 - Business Data Modeling Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course aims to develop students' ability to formulate, analyze and solve business problems using spreadsheet modeling. Students will learn how to import data from different sources, create mashups between data sources, prepare data and build model for advanced analysis. Real case problems that companies encounter on a day-to-day basis are presented, with the aim of helping students derive applicable principles and link principles to practice. The goal of the course is to train students to become effective modelers who can build sound models to solve business problems in various functional areas of business.

INS260 - Management of Information Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the main components and types of information systems and how organisations use various information systems to make decisions and remain competitive. Topics also include introductions to enterprise-wide systems, IT infrastructure, business processes, electronic and mobile commerce, knowledge management and business intelligence.

INS261 - Enterprise and Information Systems Foundations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course involves the foundation of business functions, processes, data requirements, development, and management of information systems for sales, marketing, accounting, finance, human resources, production, supply chain, and customer relationship management. This course comprising a mix of technical, business and social psychology issues focuses on how a business works, how information systems fit into business operations, how information systems of any type can be used to create organizational value, and how such systems can be successfully implemented.

INS311 - IT Architecture & Infrastructure

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Students will examine the concepts, models, protocols, and standards underpinning the architecture of an integrated technical infrastructure (datacenters, servers, networks, storage, data, operating systems, and end user devices) to serve organizational needs in a rapidly changing competitive and technological environment. The course will cover topics such as Infrastructure Management, infrastructure lifecycle, cloud infrastructure management and cloud deployment models. This course is designed to familiarize students with the attributes and functionality of IT infrastructure components and non-functional attributes such as performance, availability, auditing, and ethical and security.

Pre-requisite: INS260

INS361 - Enterprise Resource Planning Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The purpose of this course is to provide a thorough understanding of the concepts and structures of Enterprise Resource Planning (ERP) systems including architecture, planning, design, operation and integration of enterprise systems. The course covers key business modules in ERP, including procurement, production, and fulfilment.

Pre-requisite: INS260

INS362 - IT in Logistics and Supply Chain

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the conceptualization and management of logistics and supply chain management (SCM) systems and the use of modern information technologies (e.g., internet technologies, enterprise systems) to achieve competitive advantage and world-class business performance.

Pre-requisite: INS361

INS363 - Enterprise Resource Planning Systems Lab

1 Credit, 0 Lecture, 3 Lab, 0 Other hours

Schedule Type: Lab

The lab will equip students with hands-on practice on various ERP modules using ERP software (e.g. SAP) and their integration, to complement the theoretical learning of Enterprise Business Processes. The students will experiment a number of interrelated activities in each business process that require mandatory data for each organizational level. In addition, the students will appreciate the importance of digital solutions for enterprises to run their business simply, effectively and efficiently.

Co-requisite: INS361

INS369 - Business Process Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course covers how business processes are analyzed, designed, deployed, and continuously improved. A business process is a set of activities that jointly realize a business goal in an organizational and technical environment. Business process management (BPM) is concerned with the concepts, methods, and techniques that support the analysis, design, administration, configuration, enactment, and change management of business processes.

Pre-requisite: INS260

INS377 - IT Project Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The majority of information systems (IS) and information technology (IT) implementations are introduced into organizations through projects. This course covers the multi-disciplinary skills required to successfully manage IS and IT projects addressing the administrative, technical, communication and socio-political demands placed on modern IS/IT project managers. Delivered through practical tutorials, case studies, and lectures, skills in task scheduling, budgeting and risk management are developed.

Pre-requisite: CIT210 or INS260

INS378 - Geographical Information Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course introduces the concepts and theory of GIS. The latter is essential to solving all spatial problems and developing any GIS application. Examples are the differing characteristics of map projections that may lend themselves to certain analysis but not other, basic data concepts that define what we can do with certain data types, and the correct selection of raster or vector data based on project requirements. This course attempts to fill these conceptual and theory gaps that exist. It shows how GIS should be employed and when it will not yield valid or useful results. A secondary goal of this course is to become familiar with GIS software to assist in future classes such as Applications in GIS and GIS development. GIS Software tools will be used to demonstrate various concepts discussed

in class.

INS410 - IT Audit and Control

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course introduces the general concepts of the information systems security, control and audit function. This course aims to provide skills on understanding information systems controls, audit, upcoming areas, the types of controls and their impact on the organization, and how to manage and audit them. The concepts and techniques used in information technology audits will be presented. Students will learn the process of creating a control structure with goals and objectives, audit an information technology infrastructure against it, and establish a systematic remediation procedure for any inadequacies. Use of information systems audit software will be introduced towards the end of the course, where the practical nature of the subject will be developed using software, cases and job simulation. The challenge of dealing with best practices, standards, and regulatory requirements governing information and controls is addressed. This course builds on the knowledge and skills the students have acquired in prior IS courses and will prepare the student adequately for the CISA certification.

Pre-requisite: INS260 or SEC235

INS425 - Electronic Commerce

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is designed to familiarize students with current and emerging electronic commerce technologies using the Internet. The course provides an overview of e-commerce from both technological and managerial perspectives. It introduces e-commerce frameworks, and technological foundations; and examines basic concepts such as strategic formulation for e-commerce enterprises, management of their capital structures and public policy. Topics include Internet technology for business advantage, managing electronic commerce funds transfer, reinventing the future of business through electronic commerce, business opportunities in electronic commerce, electronic commerce Web site design, social, political and ethical issues associated with electronic commerce, and business plans for technology ventures. It is particularly important that students place a great deal of emphasis in understanding the different e-commerce system design principles.

Pre-requisite: CIT365

INS426 - Electronic Commerce Lab

1 Credit, 0 Lecture, 3 Lab, 0 Other hours

Schedule Type: Lab

This lab accompanies INS 425 Electronic Commerce. It provides hands-on practice in the use of e-commerce tools and technologies. The students will learn how to design, develop and implement e-commerce web applications and how to implement the techniques and technologies used to process e-Business. The students will utilize web development tools (e.g. HTML, XML, Java, JavaScript, etc.) to design and develop an e-store web site.

Pre-requisite: CIT365

Co-requisite: INS425

INS463 - Enterprise Systems Development & Integration

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The purpose of this course is to provide a thorough understanding of enterprise systems development and integration including architecture, planning, design, implementation, operation and enterprise integration. A twinned lab covers the skills needed to deploy these concepts using web-application to address enterprise system needs.

Pre-requisite: CIT460

INS464 - Enterprise Systems Development & Integration Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This lab accompanies INS 463 Enterprise Systems Development & Integration. The lab examines technologies used to build database driven web applications to address enterprise system needs. Students in the course build small applications that

might be parts of a larger eco-system in the enterprise. Students will learn to integrate the user interface with a database on the backend through a data access layer and a business logic layer.

Pre-requisite: INS361

Co-requisite: INS463

INS465 - Knowledge Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Knowledge Management (KM) deals with all aspects of knowledge within the context of the organisation. This course introduces the concepts and terminology of knowledge management looking at the role of KM in organisations and the way it can transform them. Topics include knowledge creation, codification, sharing, and how these activities promote learning and innovation. In practice, KM encompasses both technological tools and organisational practices and their relationship to enhance organisational efficiency and effectiveness. Whilst the emphasis is largely theoretical, knowledge management processes, software (e.g., Prolog) and real-world case studies apply the ideas.

Pre-requisite: CIT365

INS467 - Data Warehousing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the area of data warehouses, which are special databases built to handle large amounts of historical data for analytical purposes. The course gives a basic understanding of the core concepts of data warehousing dimensional modeling and Extraction, Transformation, and Loading (ETL) processes for decision support systems. The course introduces also students to some data warehousing managerial aspects. The course is reinforced with a study of several cases and their implementation in practice.

Pre-requisite: CIT365

INS468 - IT Strategy and Governance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course exposes students to the impact of different types of information systems and their strategic value to the organisation. Core strategic concepts, and both resource-based and business process approaches are introduced. Information systems can support both different organisational designs and collaboration across value chains, and be strategically architected to support an enterprise's operations in competitively advantageous ways. Evaluating IT investments and strategic decisions on sourcing, as well as how IT is directed and controlled will be covered as part of IT governance.

Pre-requisite: INS260

INS469 - Data Warehousing Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This lab accompanies INS 467 Data Warehousing. It provides hands on practice using a business intelligence platform. The practice covers all the topics discussed in INS467 starting from the Extraction, Transformation, and Loading (ETL) large datasets, designing a multi-dimensional model, writing Data Analysis Expression (DAX) and Online Application Processes (OLAP) queries and finally designing and interpreting Business Intelligence dashboards for decision making.

Co-requisite: INS467

INS474 - Applied Artificial Intelligence

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Through this course, the students will gain an in-depth understanding of "Artificial Intelligence (AI) in practice". This course equips students with the skills to use state-of-the-art AI tools and techniques for effective business decision making. Some of the topics include: AI methodology and fundamentals, search algorithms, supervised and unsupervised learning, computer vision, detecting patterns, support vector machines, machine learning models, neural networks, natural language processing (NLP), Chatbots, computer vision, deep learning techniques with convolutional neural networks.

Pre-requisite: CIT466

Co-requisite: INS475

INS475 - Applied Artificial Intelligence Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course accompanies INS 474 Applied Artificial Intelligence. It provides hands on practice with the use of state-of-the-art tools and techniques for effective business decision making. This course prepares students to apply AI concepts to build real-life solutions. This lab introduces students to basic concepts of AI, machine learning algorithms, natural language processing, chatbots, and computer vision. Students apply the concepts they learn to practical and real-life examples using analytical tools.

Pre-requisite: CIT466

Co-requisite: INS474

INS476 - Data Science

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will introduce students to data science, a rapidly growing field, and equip them with the skills to use state-of-the-art concepts, techniques and tools for an effective support of business decision-making. Students will be introduced on how to deal with various facets of data science practice, including data collection and integration, exploratory data analysis, predictive modeling, descriptive modeling, evaluation, and effective communication. An emphasis will be placed on integration and synthesis of concepts and their application to solving problems. Real data sets will be used to improve the learning experience of students and expose them to real cases.

Pre-requisite: CIT466

INS477 - Data Science Lab

1 Credit, 0 Lecture, 3 Lab, 0 Other hours

Schedule Type: Lab

This course accompanies INS 476, Data Science. It provides hands on practice using data science concepts, techniques and tools. It helps students putting their acquired knowledge into practice by practicing problem definition and elicitation, features selection, problem modeling, method selection, results evaluation, and solution deployment using an analytical tool.

Co-requisite: INS476

INS492 - Emerging Technologies for the Enterprise

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course allows students to explore the latest progress and development in the field of Information and Communication Technologies (ICTs) and to appreciate how organizations can capitalize on emerging ICTs to remain competitive and achieve business value. Because of the dynamic nature of the ICT field, topics covered in this course will vary from one semester to another and will be selected based on leading industry reports such as Gartner's annual Top 10 Technology Trends.

Pre-requisite: 80 credits completed and INS260

ISC251 - Introduction to Integrated Strategic Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides students with an overview of integrated strategic communications. Basic theories related to message and media strategies are introduced, along with a fundamental overview of various communication tools such as advertising, public relations, direct response, sales promotion and interactive media. Importantly, students will learn how organizations integrate different forms of communication to deliver clear and consistent messages to consumer and public audiences across all their communications platforms.

ISC353 - Writing for Public Relations

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

This course examines professional skills and strategies for public relations writing in its many forms, including digital and social media. Topics explore both the content and style of corporate, agency, government and non-profit client creation of effective messages in today's dynamic media

environment. Students will analyze stakeholder information needs and create effective messages using tools such as; news releases, newsletters, media advisories, feature writing, crisis communications, and other typical public relations writing as part of a strategic public relations, including social media. Pre-requisite: COM351 or COM352 or (ISC251 and COM210)

ISC356 - Media Planning and Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Introduction of media planning, buying, and management concepts. Includes characteristics of all forms of media, media terminology and calculations. Emphasis on solving communication problems from the perspective of strategic decision-making. Students will identify problems, develop alternative media solutions, and evaluate proposed solutions.

Pre-requisite: ISC251

ISC357 - Creative Advertising

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

Students will focus on developing the creative dimensions for an Integrated Strategic Communication campaign related to a contemporary social issue, a commercial product or service and engage imaginatively with agency briefs, examine how ideas are creatively expressed using words and images and develop creative concepts, prepare a creative pitch, and explore the story-telling and copy-writing dimensions of advertising. The course will have a significant applied component.

ISC359 - Integrated Strategic Communication Management & Planning

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores management principles and their application to developing strategic communication campaigns. Students study planning, organizing programs and projects, research and evaluation, and the implementation of management objectives to solve organizational problems and maximize opportunities. An applied project will enable students to use skills taught in this course to address a variety of audiences, including employees, the community, government, and consumers.

Pre-requisite: ISC251

ISC383 - Introduction to Social Media

3 Credits, 0 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture

Theoretical and practical introduction to social media and its role in the media experience. Students will research how social media has transformed personal and business communication with a particular focus on their own discipline. Significant practical work with current social media platforms. Introduction to data analytics.

ISC451 - Integrated Strategic Communication Campaign

3 Credits, 0 Lecture, 3 Lab, 0 Other hours

Schedule Type: CCMS Practica

This course prepares students to master the elements of a strategic communication campaign using principles and strategies of advertising, branding, public relations, corporate communication, and agency management. Students apply strategic communication skills and knowledge to an existing ISC challenge for a client. Acting as consultants, students produce an integrated strategic communication campaign.

Pre-requisite: ISC359

ISL135 - Islamic Civilization

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is designed to give a comprehensive and balanced background about Islamic civilization and its impact on modern life. To fulfill this, it is divided into three main parts. Firstly, the course explores the main features and characteristics which shaped the core of Islamic civilization from its beginning and throughout the Middle Ages, with an introduction to the relevant terms surrounding the concept of civilization. The second section traces the contributions of Muslims to different fields of knowledge, i.e. math, medicine, chemistry, astronomy,

arts, and the artistic aspects of Islamic cities, besides the main institutions which Muslims developed to facilitate and control big cities, i.e.: waqf and hisba. The third and last part explores the pathways of diffusing Islamic civilization into Europe, in addition to the main attitudes of Westerners toward the real influence of the Islamic civilization on the world.

ISL209 - Contemporary Islamic World

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course discusses the current and most important political, economic and social changes in the modern Islamic World. Defining the term "Islamic World" politically and geographically is essential to understand current events. The course examines different undercurrent movements, important organizations, and issues directly related to the lives and societies of Muslims

ISL210 - Islamic Political Thought

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will examine different issues of the contemporary Muslim world. It deals with sociopolitical problems that face GCC countries in particular and the Arab world in general. For example, it may concentrate on women and development in the Arab world, education and development in the U.A.E., or globalization in the Arab world. In each subject, the student is expected to do various activities including reviewing books, commenting on articles, collecting related data, and writing a paper.

ISS200 - Cultures, Globalization and Social Change

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

Building on an interdisciplinary examination of the concept of culture, this course aims to engage students in debates about culture, society and globalization in relation to social change. It focuses especially on how globalization processes interact with definitions of culture and produce social inequalities. It considers how globalization can be disentangled from other processes such as Europeanisation and how it is related to the debates about cosmopolitanism and modernity. Students' skills are developed through applying interdisciplinary concepts and theories to a range of cases. The course covers topics such as globalization, modernity, Europeanization, cosmopolitanism and social inequalities.

ISS201 - Economic Behavior and Organization

3 Credits, 0 Lecture, 2 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course focuses on the study of economic decision-making by individual economic units like individual economic markets, individual consumers, and individual firms. It builds on behavioral economics and allows learners to develop a hands-on approach by understanding its methods and, more importantly, applying some of the learning and ideas to policy and business. Topics covered include consumer behavior, theory of the firm, price determination and allocation of resources.

Pre-requisite: ISS211

ISS203 - Transmedia storytelling for social good

3 Credits, 0 Lecture, 2 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course introduces students to transmedia storytelling or cross-platform storytelling, specifically in the context of social change campaigns, social marketing, activism, and other socially concerned genres. While transmedia storytelling has typically been a source of brand extension and a form of fan engagement with media content, in this course we approach transmedia storytelling as employing narratives across diverse media platforms such as online streamed episodes, websites, and podcast commentaries on the streamed episodes, all united with the intention to nudge behavioral change. In this course, students will learn to define, design, and create transmedia narratives for social good, working with public and private partners to solve community problems.

ISS204 - Media, Data, and Social Innovation

3 Credits, 0 Lecture, 2 Lab, 2 Forum hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 The processes of mediatization and major theories of communication. Study of the mediatization paradigm takes account not only of media history, but also of the role of mediated information, knowledge, culture and communication and their impact on social life. Students consider how human lives are being datafied, across levels and sectors. They explore how we make sense of technological advances from a critical perspective. They explore what methods can be deployed to study datafication. And finally, what does a datafying lifeworld mean for human security and the marginalised.
 Pre-requisite: ISS202

ISS211 - Modern Economic Thought

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours
 Schedule Type: Interdisciplinary UG Lecture
 Market inefficiencies are critical drivers of global financial instability. Study the utility of specific economic principles by examining systemic market failures that occurred during the Great Recession, the various asset price bubbles (equity, housing, commodities, etc.), and periods of relative market calm and prosperity. What trigger events turn market vulnerabilities into panics or manias? What impact can regulation have on lessening or heightening market volatility? Students predict the next "bubble" in the global economy. Course topics include: equilibrium and welfare, market failure, trade, markets, finance, bubbles, and fiscal policy.
 Pre-requisite: IDS105

ISS212 - Political Science and Social Change

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours
 Schedule Type: Interdisciplinary UG Lecture
 Governments can help their citizens to flourish - or can make their lives miserable. Governments affect their citizens in part by influencing common practices. For example, taxation (both surcharges and tax breaks) can change social practices. Such changes can further social goals such as reducing energy consumption, helping people save for retirement, and reducing prejudice - or can impair achieving goals, such as occurs when oppressive taxes cause citizens to flee to a cash-only, underground economy. Students propose ways that governments can be motivated to effect such changes, both positive and negative, and also consider what controls should be in place to ensure that societal changes are in fact beneficial. We begin with an introduction to the discipline of political science. We then go on to critically examine the rise of political order around the world amid the Industrial Revolution, seeking to understand the ideas and practices of early modern states. We end by exploring ongoing struggles in the contemporary world to bring about societal and governmental change.
 Pre-requisite: ICB101 and IDS101 and IDS103 and IDS104 and IDS105

ISS252 - Psychology: From Neurons to Society

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours
 Schedule Type: Interdisciplinary UG Lecture
 In this course we learn about the mind by looking at (1) multiple levels of analysis, from neurons to social systems, (2) multiple methodologies used in research, and (3) how multiple types of explanation (mechanism, function, ontogeny, phylogeny) shed light on each other. Using these three course objectives, we will build up a framework for understanding the full range of topics in cognitive science, and how they relate to other disciplines both within the social sciences (e.g., political science and economics) and beyond them (e.g., biology and computer science).
 Pre-requisite: IDS105

ISS305 - Social Movements and Community Activism

3 Credits, 0 Lecture, 2 Lab, 2 Forum hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 Social movements are significant arenas for social change. Through collective action, they can transform social perceptions, norms and behaviors, and bring about new policies and laws. This course investigates and critically evaluates the contexts in which social movements emerge, the strategies and tactics

they adopt, and the impacts they have on society. Case studies of local and global change include identity-based movements promoting equality and social justice, as well as grassroots innovation movements working toward more sustainable and inclusive societies. The course focuses on key concepts and theories of social movements and collective action. It covers topics such as social movements and modernity, women's movements, civil society, global movements, climate change and new technologies in social movements. The selected texts include articles from academic journals and case studies of movements which will further our theoretical and conceptual understanding of social movements as a whole.

ISS310 - Experimental and Behavioral Economics

3 Credits, 2 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 This course will introduce students to the experimental economics methodology using controlled laboratory, online and field experiments in economics. The experimental results are used to critically evaluate models of economic theory as well as policies that impact human decision-making under uncertainty. The different decision environments discussed and analyzed in this course include game theory, markets behavioral economics, public goods, choice architecture, and social preferences. The course will survey the literature as well as illustrate the behavioral interventions used by governments and companies in the real world within this growing field of economics.
 Pre-requisite: ISS201

ISS320 - Diversity, Equity, Inclusion, and Global Messages

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture
 Drawing upon theories from multiple disciplines, such as communication, sociology, anthropology, gender studies, migration, mobilities, and tourism studies, this course allows students to examine the field of global communication and provides the skills necessary to address intercultural differences in communication creatively. The course propels the idea that effective global communication is only possible in a world that values diversity, equity and inclusion. As such, it is designed to increase students' understanding of - and sensitivity to - different cultures and diverse communication patterns in a globalizing world. Moreover, it allows students to find solutions to societal issues related to cross-cultural differences in communication. Topics cover the main theories and approaches underpinning the study of global communication, including transcultural political economy, globalization theory, world systems theory, post-colonialism, cultural imperialism and feminist theories, among others, which are critically assessed and applied to different contexts (e.g., business, education, health, mobility, and tourism).
 Co-requisite: ISS321 and ISS325

ISS321 - Media effects and ethics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture
 This course reviews the development of media and associated processes of communication theory construction across various social science paradigms. It also examines the ethical implications of the nexus between communication and media technologies, individual behavior, and societies. Topics include the historical origins of media, cultural contexts of their deployment and use, their impact and ethical implications across contemporary issues such as algorithmic decision-making and bias; surveillance-data privacy; censorship; piracy; the power of private computing platforms; and issues of diversity, equity, and inclusion.

ISS323 - Media, Platforms and Multimodality

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
 Schedule Type: Interdisciplinary UG Lecture and Lab Combined
 Develops the ability to analyze, interpret and prototype media messages, platformization and multimodality. Students identify, analyze and evaluate how networks, narrative symbols, and modes of communication combine to create systems of meaning, interpretations, disruption, and social innovation. Students access and develop multimodal campaign

strategies, planning, prototyping, and evaluation. Students apply and evaluate tools and technologies appropriate for communications, media and digital platforms.

Pre-requisite: ISS202

ISS324 - Specialized writing: Communicating complex issues

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
Practical, collaborative, writing-intensive media writing course in complex, specific practices such as health, science, and sustainability. Students learn how to identify and write engaging stories about public health, science, environmental issues, and similar across multimodal formats. Topics covered include: how to communicate controversial topics; conveying complex information; communicating through visualization; communicating stories to the news media; writing for new media.

ISS325 - Strategic communication, media, audiences, and analytics

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
Emerging digital technologies and the immense uptake of social media have generated massive amounts of big data that could reveal deep insights into audience preferences and behaviors. These insights are critical to inform strategic organizational communication messages and campaigns aimed at social change and innovation across a wide range of issues such as improving public health outcomes, or persuading people to adopt sustainable practices. The course will introduce students to a wide array of online media and audience analytics with reference to specific strategic communication situations related to social change. It will also review analytics for traditional media as they continue to be widely used. It will examine how organizations can harness knowledge and insights employing traditional quantitative and qualitative research methods and big data analytics and data visualization to identify opinion leaders and online influencers, segment audiences, customize content, increase stakeholder engagement, and analyze stakeholder sentiment to strengthen strategic organizational communication for social change.

ISS330 - Globalization: Institutions and Mechanisms

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
This course surveys the role of international government and non-governmental organizations in global governance. It covers the ways in which the existing international relations theories approach the understanding, analysis and critique of international organizations. It will equip students with the skills to understand the behavior of organizations and members alike. Scenarios and role modeling will be used to predict and explain outcomes from the different concerned bodies of global governance. This course comprises of 15 units. It begins with an introduction to the study and evolution of international organizations (IOs). It critically examines the evolution and role of a wide range of IOs such as the United Nations, the World Bank, the IMF and the World Health Organization. It ends by an assessment of the current global governance structure and forecast for the future.

ISS331 - Principles of Global Governance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

The course introduces the fundamental concepts, theories, and approaches to the understanding of today's international system. It explores the main issues, events, and laws that shaped the development of the 'state system'. Students will study the basic notions of warfare, sovereignty, nationalism, peace, intervention, foreign policy, globalization, the rise of non-state actors, weapons of mass destruction, and global governance, with an eye to how these constructs have evolved and changed through history.

ISS342 - Theories of cognition and emotion

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

We explore broad theories of cognition and emotion through

the lens of psychology, also drawing on philosophy and artificial intelligence. Within cognition, we examine different kinds of thinking, including induction, deduction, problem solving, and decision making, and we learn how to integrate theories of different types of thinking (such as inductive reasoning and problem solving). We also combine theories of thinking with theories of other cognitive processes such as attention and memory—so that instead of many seemingly separate cognitive processes, we have a cognitive being who can perform many different types of cognitive tasks. In addition, we examine and evaluate theories of emotions, both traditional and contemporary. How do emotions influence a wide variety of cognitive processes such as problem solving and decision making, and how might this help us to understand cognition and emotion? Finally, we explore theories of creativity from both cognitive and emotion-based perspectives.

Pre-requisite: ISS252

ISS344 - Economic Theory and Tools

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

We begin with a broad overview of why some economies grow faster than others, and use mathematical tools to illustrate growth dynamics. We then transition to macroeconomic and microeconomic theory by first analyzing macroeconomic models and then decisions made at the firm and individual level by exploring tools such as utility and profit maximization. From there we explore the field of game theory and apply tools such as Nash equilibrium and analyze games in strategic forms. We next progress to the field of international trade and assess trade agreements while applying tools such as graphical analysis and regression outcomes, and focus on developing on developing economies and the use of modeling tools to compare the different economic development outcomes among countries. Finally, we look at behavioral economics and learn to analyze various factors that impact behavior in real-world economic decision making.

Pre-requisite: ISS211

ISS350 - Cities: People, places, power.

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

Cities have often been perceived as environments that magnify the trends, challenges and opportunities of the wider society. This course invites students to reflect on the future of cities and investigates the forces that shape the conditions of urban life. Examining issues such as the built environment, post-industrial urban economies, city marketing and branding, public space, mobility, and cultural politics, the course explores how different actors (e.g., public sector, private enterprise, local activists and residents) negotiate urban development and affect the liveability of cities. It will consider recent approaches in how urban spaces are imagined, designed, and produced that aim at creating more inclusive and equitable cities.

ISS351 - The Power of Popular Culture

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course will investigate the intersection between everyday life, mass media, and broader political and historical contexts, in order to understand the role of popular culture in societal transformations. Employing key theoretical concepts drawn from a range of disciplinary approaches, the course will examine how meaning is created and interpreted through various forms of popular media such as film, television, music, fashion, novels, food, and toys. The course investigates these forms of cultural expression as sites of ongoing social and political struggles and explores their instrumentality in social and political movements.

ISS352 - Cognitive Neuroscience

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

In this course, we will explore how the brain gives rise to the mind through the lens of cognitive neuroscience, and learn about the anatomy, physiology, and chemistry of the brain and consider the role of this physical substrate in neural computation. Topics include the evolution of the brain, consciousness,

vision, motor control, speech, memory, executive function, developmental psychology, and disorders of the brain such as depression, schizophrenia, Alzheimer's disease, and autism spectrum disorder. This course introduces the methodological foundations of cognitive neuroscience and their application to analyzing specific mental processes and events, with links to related fields such as genetics and computational neuroscience. In addition, it provides a framework for understanding cognitive disorders, mental thriving, and human development, which supports student engagement in public policy or social ventures. Building on domain knowledge from ISS252, the use of case-studies and debate in the later class sessions enables students to tackle contemporary issues from fundamental neurobiology to implications for social policy.
Pre-requisite: ISS252

ISS362 - Personal and Social Motivation

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture and Lab Combined
How can we effectively change our own habits and behaviors? What is the best way to motivate and persuade others? Is it ethical to consciously motivate or persuade those around us? As the answers to these questions have become better understood, they are being used to help people adopt more beneficial practices across many fields such as medicine, business, and environmental activism. Drawing on personality psychology, health psychology, cognitive psychology, and social psychology, we gain a better understanding of what motivates us and learn why specific ways to influence people's beliefs and behavior are most effective in certain contexts. Topics include: types of motivation, goals, behavior change, habit formation, choice architecture, persuasion, leadership, and team leadership.
Pre-requisite: ISS252

ISS364 - Global Development and Applied Economics

4 Credits, 4 Lecture, 0 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture
In this course, we will examine important challenges facing both developing and developed economies and explore the development of societies through the analysis of access to education and healthcare as well as sustainable mechanisms for economic growth. We will identify the socio-economic impacts of rural to urban migration and technological progress while exploring the reasons for income inequality throughout the world and understand how to generate and critique policies designed to address specific economic issues within an effective institutional and political framework. Topics covered in the course include: economic inequality, poverty traps, economics and the environment, population growth, microfinancing, taxation, NGOs, technology, and innovation.
Pre-requisite: ISS211

ISS410 - Economics of Labor, Health and Education

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture
This course introduces students to labor, health and education economics. In labor economics, students will learn about the demand and supply of labor and the structure of wages. Other topics include discrimination and immigration. Then students will be introduced to the health demand and supply with some emphasis on socio-economic differences in health and the interaction between health and the labor market. Lastly, the education economics part will emphasize the theories on human capital formation, signaling, early childhood interventions. The economic effects of government policies such as minimum wages, training programs and subsidizing higher education will be analyzed.
Pre-requisite: ISS201

ISS411 - Macroeconomic Policy and Global Economic Linkages

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture
This course not only analyzes the relationships of monetary and fiscal policy to prices, production, and employment but also provides an analysis of the economic relationships between countries, through international trade and finance.

Pre-requisite: ISS201

ISS412 - Paths to Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture
The course is an introductory course in development economics. The course will cover all major issues and development in the field from both the micro-economic and macro-economic perspectives. Topics include growth theory, poverty, inequality, land, credit, insurance, and international trade.
Pre-requisite: ISS201

ISS420 - Communication Campaigns, Influence, and Persuasion

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture and Lab Combined
This course introduces the planning, organizing, implementation, and evaluation of various non-profit, governmental, and commercial campaigns across areas such as environment, health, and social justice. These campaigns have the intention of influencing attitudinal and behavioral change in key publics. Campaigns are focused and large-scale efforts to exert social influence in the United Arab Emirates, the Middle East region and/or globally. Students will apply the knowledge and skills taught in this course to craft a strategic communication campaign plan to address a specific organizational issue that addresses key organizational publics such as employees, the community, consumers, and policy makers.

ISS421 - Digital communication for Social Change

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture
This course explores the role of media, communication, and journalism in facilitating social change in local, regional, and global contexts. Students will be able to apply communication strategies to propose approaches for ethical social changes in areas such as the environment, the arts, health, education, gender roles, and others. Students will critically analyze public debates around communication for social change including citizen engagement, collective action, edutainment, community media, entrepreneurial changemaking, media development, and social movements.

ISS422 - Media Content Creation, Fundamentals and Futures

4 Credits, 3 Lecture, 2 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture and Lab Combined
This hands-on course develops design thinking and prototyping to explore emerging media technologies and their potential impact for fostering social change. Students engage with digital technologies as tools for creative multimedia expression through audio, video, print, web-based interactive media, virtual reality (VR), augmented reality (AR), and mixed reality (MR) media production.

ISS423 - Sustainability Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture
This course explores the ways communication shapes individual and societal choices related to sustainability. We will analyze a variety of sustainability issues and perspectives, across the natural environment, society, and economy, and evaluate the practices with which organizations attempt to influence sustainable behavior and shape policy outcomes. Combining communication theory and sustainability discourse, we will examine the range of communication strategies and tactics utilized by grassroots organizations, corporations, and social movements in the public sphere. Topics such as climate change, biodiversity loss, social justice, and rising inequality will be analyzed using an interdisciplinary approach applying media and communication theories to these global sustainability issues.

ISS430 - Energy Governance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: Interdisciplinary UG Lecture
The course examines the dynamics of the global energy system and the political and economic dimensions of energy governance, focusing on ways that public policy can inform and

effect beneficial changes to the concerned stakeholders. The course will simulate the decision-making process for this supply-led sector. The course will apply such analysis on traditional and new sources of energy alike. This course comprises of 15 units, each discusses various aspect of energy governance. In the beginning of the course, students are introduced to the basics of energy, technical language and stages of the energy industry development. It then critically examines the evolution of the global energy systems. The course ends by analyzing current and emerging trends in the energy industry and global energy governance. This course provides invaluable analytical skills to comprehend and apply their knowledge in solving real word problems with a particular focus on energy governance innovations that shape global energy politics, energy security and global economy.

ISS431 - Politics of Peacebuilding and Conflict Transformation

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course examines the challenges of peace-building and conflict transformation in post-conflict societies. Through an in-depth analysis of conflicts' causes and consequences, incentives of main actors, strategies of intervention, students will be able to understand conflict and peace within a social and political context. This will be achieved using a case-study-oriented and simulation-based approach that will equip students to effectively understand and contribute to the policy and practice of peace building. This course is composed of four units. It starts with a theoretical framework of concepts and theories in the study of conflict, peace-building and conflict transformation. Then, building on several case studies, the course analyzes on-going political conflicts through a discussion of root causes, the role played by major actors, and the consequences. This is followed by an examination of various strategies of intervention, and the challenges they face. It ends by discussing the main criteria to assess the effectiveness of peace-building efforts. This way, the course provides the students with the tools to design a comprehensive peace-building strategy, and to disseminate their proposed strategy to non-academic audience with the objective of building a sustainable peace and transforming the ongoing conflict.

Pre-requisite: ISS331

ISS440 - Big data and society-wide psychometrics

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
Meaningful measurement is at the heart of evidence-based social policy and social change. This course will introduce students to statistical techniques for extracting knowledge from data and expressing it with clarity. The course will include a focus on inferential statistical analysis and data visualization in the context of large, society-wide, datasets (big data). Additionally, the course will look at the development and validation of psychometric instruments.

ISS441 - Digital Selves and Cybercommunities

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
Increasingly, human behavior and social interaction are conducted online. This course will explore how psychology can help make sense of online behaviours and digitally mediated social interactions. Drawing on diverse psychological perspectives the course examines how online environments might alter behavioral traits and preferences. This course takes a critical look at human emotion, cognition, and behaviours in online environments and in relation to digital technologies (e.g., social media, electronic games, virtual reality). Additionally, the course also examines the societal and health implications of our evolving relationship with digital technologies and online environments.

ISS442 - Doing Psychology as Social Good

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
Applied psychology shows up in many professional guises in contemporary society. This course aims to explore the many ways that psychology is applied for the good of society. From cognitive engineering to physical exercise and the criminal

justice system, this course looks at an array of contexts where applied psychology contributes to the social good. During the lab component of the course, students will get practical exposure to some of the techniques used by applied psychologists, providing invaluable insights for those who might be considering graduate studies in applied areas of psychology.

ISS443 - From social cure to social cure

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course looks at the impact of social forces (belonging, group bias, social stigma) on health and psychological wellbeing. This intradisciplinary focus draws on social psychology, health psychology and psychopathology, exploring the interplay between identity and society with implications for public health strategy and social policy.

ISS444 - Lifestyle: Health and Wellbeing

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined
Lifestyle choices affect health and wellbeing. Drawing on biopsychosocial perspectives, this course will explore how nutrition, sleep, exercise, and problematic health behaviors (e.g. smoking) affect social and individual health and wellbeing. This course will take a critical look at the social determinants of lifestyle choices, examining among other things the impact of culture and globalization on lifestyle choices, help-seeking behaviors, and the quality of service provision.

ISS445 - Mind across time

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course takes an interdisciplinary exploration of the human mind, cognition, and metacognition through the ages and across the lifespan. Drawing on cognitive archaeology, the history of philosophy/psychology and contemporary cognitive neuroscience this course will look at how our thinking and thinking about thinking have evolved. Moving from the large canvas of human history and pre-history, the course will also look at the human mind across a single lifetime, exploring cognitive, social and emotional development across the lifespan.

ISS446 - Practice of Governance

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

How do governments and societies define their relationships to one another? What makes good governance? How can governments pursue worthy public policy aims successfully? What are the most innovative ideas and best practices governments can adopt to create positive outcomes for the communities and societies they serve? This course seeks to answer those and related questions by exploring concepts and theories of governance and examining a wide variety of relevant case studies. This course allows students to develop skills for analysis and decision making needed for work in governments, nonprofits and companies with interests in the public sector.

Pre-requisite: ISS212

ISS447 - Personhood and social change

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

Who am I? How do we form and maintain our identity in a world that is constantly changing, faster than ever before? This course takes an intra- and interdisciplinary approach to understanding variations in human personality and mental abilities as well as the similarities in human diversity. Drawing from history, philosophy, ethnology, sociology, and neurology, this course aims to capture and apply the richness of human psychological variation and individuality. Invoking factors as diverse as genes, brain systems, cultural factors, early childhood experiences, personal development, and malleable environments, this course provides an understanding of human affect, behavior, and cognition, and sheds light on how human diversity creates, impacts, and interacts with society and social change. Practical applications include, but are not limited to, the promotion of equality and diversity, social interaction, and leadership.

ISS450 - Comparative Social Policy

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course explores the varying ways in which states have addressed social issues over time. How can new forms and ideas of management affect the organization and delivery of public services such as health care, social services, criminal justice and education? A comparative approach draws on examples from Europe, the U.S.A., Asia and the Gulf, and discusses various aspects of social policies across regions and segments of social policy.

ISS451 - World Regions: Trends and Transformations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course examines a particular world region (e.g., Americas, Europe, Middle East, Africa etc.) through a review of the key political, historic, economic, social, and/or cultural issues. Students evaluate various regional challenges and contemporary trends, using interdisciplinary methods and sources. The course also seeks to analyze the extent to which different nation-states and/or cultures within the same region respond to specific challenges. In this way, students will develop a more profound appreciation of the region's diversity, its unique qualities, and its ongoing transformations.

ISS456 - Comparative Politics in Practice

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course examines and compares the ways in which people act individually and collectively across different countries with diverse political systems to achieve their goals. Ultimately, students learn how political systems operate in practice and why they have different outcomes, such as corruption/transparency, racism, political stability/instability, low/high inequality, security/insecurity, and low/high socio-economic standards. Topics include: institutional rules and interactions; governing and bureaucratic structures; actions from citizens, politicians, bureaucrats, and lobbyists, parties; NGOs, businesses, and the media; government at different levels; and corruption as well as effective governance.

Pre-requisite: ISS212

ISS466 - Comparative Constitutional Law: Designing Societies

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: Interdisciplinary UG Lecture

This course is an overview of comparative constitution-making and implementation. What distinguishes a constitution from other types of law? What are its purposes? How should it be written, interpreted, and enforced? How do economic, social, political, and cultural context determine the process and substance of a constitution? What have been the most successful constitutional systems and why? These are the guiding questions of this course. In it, students will compare and contrast the constitutions of several different countries and critically examine the nuances of the daunting political tensions inherent to the founding of a new constitutional regime, including how to leverage the positive legacies of the past, manage the constraints of the present, and leave flexibility for legal development and adaptation to an uncertain future. Almost all of the case studies are from the late twentieth century to demonstrate the contemporary relevance and emergent challenges of constitutional design, such as the political challenge of constitutional design after civil war in Bosnia and Herzegovina. Finally, each case study illustrates some lessons of constitution-making that led to some complex mix of success and failure. The students will combine these lessons with their foundational knowledge early in the course to articulate their own framework for approaching constitutional design. By the end, the students should be able to think broadly and deeply about how institutions, rules, and structure can order complex social systems and maintain stability, efficiency and justice.

Pre-requisite: ISS212

ISU201 - Earth Systems

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course provides an overview of planet earth's major physical systems, operating within and across the atmosphere, lithosphere and hydrosphere. Important physical environmental processes at work are illustrated. Students will gain an understanding of the interconnected dynamic controls that determine the global patterns we see in earth surface characteristics. Influences and factors responsible for environmental change over time are explained. A wide variety of examples is drawn from around the world to illuminate and enrich the topics covered.

ISU202 - Principles of Sustainability

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

The course examines the complex relationship between humans and the natural environment. The three pillars of sustainability (society, economy and environment) will be discussed and reviewed through the lens of the Sustainable Development Goals (SDG's) and their application to socio-economic equity, population growth, energy and climate change, resilient cities, planetary boundaries and saving our biodiversity and ecosystem services. Examples from both developed and developing economies will be discussed and compared, this course will lay the foundation for subsequent courses in sustainability.

ISU203 - Evolution Across Multiple Scales

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Evolution is the unifying principle of all biological processes. In this course, we will explore in detail how the fundamental processes within cells, individuals and ecological communities are explained by the basic mechanisms of evolutionary change, including mutation, natural selection, and genetic drift. and discover how the latest technologies are revealing the interconnectedness of all living systems and the interplay between the biosphere and the earth's processes. By evaluating evolutionary concepts in a broad range of biological scenarios, students deepen their understanding of evolution itself, shedding light on the diversity of life it has produced.

ISU204 - Introduction to Environmental Health

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This introductory course will help students to become aware of the scope of the field of environmental health, and the reasoning on which environmental health interventions are based. As an important discipline of public health, this course examines key areas of environmental health and explores the crucial role of the environment in the health of the planet and all living creatures. The focus of this survey course is on the science and practice of preventing injury and illness from exposure to hazards in our environments. The course is also intended to enable students to gain an appreciation of the interdisciplinary nature of the field of environmental health.

ISU205 - Introduction to Environmental Economy and Policy

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course will introduce the key economic concepts in the context of environmental problems, including market forces and failure, consumer behavior, environmental valuation, cost-benefit analysis, and international trade. The course also provides an overview of the policy-making process, enforcement and regulation, the behavior of interest groups and stakeholders, and the actions of policymakers. Students will be able to understand and critique the current policy responses to some of the major environmental issues of our time, including climate change, water pollution, deforestation, and the loss of biodiversity. Local and international case studies will be discussed and compared.

ISU206 - Chemical Structure and Reactivity

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course explores the physical and chemical properties of

nature based on molecular, atomic, and subatomic structures, with an emphasis on how structure determines reactivity. Empirical observations will be combined with the principles of chemistry and physics to understand the microscopic properties of nature that underpin phenomena at various scales. Students who complete this course will be able to generate strong mechanistic chemical explanations and apply them in advanced chemistry, physics, earth science, and biology courses.

ISU207 - Ecology and Conservation

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course is a study of relationships, distribution and abundance of organisms, or groups of organisms in an environment. Topics include landscape, ecosystems, physiological, behavioral, population, community, and environmental ecology. An emphasis is placed on conservation biology and environmental mitigation measures. Laboratory/field work will be used to emphasize key concepts.

ISU208 - Sustainability Policy and Planning

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course focuses on national environmental and energy policy-making; environmental ethics; the techniques of environmental analysis; and strategies for collaborative environmental decision-making. The primary objective of the course is to help students formulate a personal theory of environmental planning practice. The course is taught comparatively, with constant references to examples from around the world. This course also reviews philosophical debates including growth vs. deep ecology, "command-and-control" vs. "market-oriented" approaches to regulation, and the importance of expertise vs. indigenous knowledge. Emphasis is placed on environmental planning techniques and strategies. Related topics include the management of sustainability, the politics of ecosystem management, environmental governance and the changing role of civil society, ecological economics, integrated assessment (combining environmental impact assessment (EIA) and risk assessment), joint fact-finding in science-intensive policy disputes, environmental justice in poor communities of color, and environmental dispute resolution.

Pre-requisite: ISU205

ISU209 - Physics of Life

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

In this course, we explore how physics, ranging from mechanics to atomic physics, can be applied to the life sciences. The course emphasizes the development of tools and problem-solving approaches needed to describe the physical phenomena at hand. The courses explore real-world applications of physical principles using mathematical concepts and techniques and both address qualitative and quantitative problem-solving approaches.

ISU301 - The Sustainable Enterprise Economy

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course provides the foundation for the Sustainability Enterprise Concentration within the Bachelor of Sustainability. It focuses on the concepts, principles, and theories that underpin a new model of capitalism: the sustainable enterprise economy. This model embraces all types of organizations including private, public, civil society, and social enterprise, and how they can create wealth for society in the form of economic prosperity, ecological integrity, and social equity. Key topic areas include conceptions and misconceptions of sustainability, governance for sustainability, models of sustainable enterprise, and - ultimately - the transition process to a sustainable enterprise economy.

Pre-requisite: ISU202

ISU302 - Ecological Economics

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course is one of the required courses for the Sustainability Enterprise Concentration within the Bachelor of Sustainability.

The broad aim of the course is for students to understand how ecological economics is necessarily a transdisciplinary field. Course objectives are to develop students' understanding of the key concepts and principles of ecological economics, and their relation to the broader ecosystem that supports all human activity. The focus, thereafter, is on the appropriate business strategies and public policies to bring about the necessary transition to a steady-state economy, and the advocacy and communication skills that will assist in this endeavor.

Pre-requisite: ISU205

ISU303 - Measuring and Reporting Sustainability

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course appraises a range of quantitative and qualitative measures of sustainability. Students learn about some of the metrics most frequently used in business organizations as well as in public policy and academia. In particular, students will critically challenge the discussed metrics, highlight their strengths and weaknesses and think about possible ways ahead. In addition to challenging existing and developing approaches, students will also undertake a major research project involving a comparative analysis of sustainability reporting in a particular industry, business or government sector.

ISU304 - Sustainable Cities and Communities

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

By 2050, the world's urban population is expected to almost double, posing major global challenges, ensuring urban planning is one of the twenty-first century's most transformative trends. This course will examine the various policies introduced to address the environmental, economic and human consequences of population growth and increasing urbanization. This course examines how government, private sector, and community's individuals can support sustainable development at the local level. Different governance approaches for local sustainable development are critically studied. The importance of the sustainable city as the focus for sustainable development policy and practice will be examined. Students will have the opportunity to critically apply core principles, concepts and theories of sustainable development and urban planning to design liveable communities underpinned by sustainability, resilience, equity and inclusiveness. Assessment will concentrate on the application of international best practice to common issues addressed by sustainable planning. This course involves field-based case study work, to identify the critical successful factors for environmentally sustainable and socially just communities.

Pre-requisite: ISU205 and ISU208

ISU305 - Social Justice and Equity

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

Sustainable development policies are internationally widespread and, arguably, necessary in achieving economic, social and environmental harmony. This course examines the role of power in determining the strength of voice in sustainable development policy making and planning processes. This will be considered through the lens of equity, rights-based and social justice perspectives. Students will critically analyze sustainable development through these lenses, to determine how power manifests itself in policy making and planning processes, particularly with respect to protected characteristics, the poor or socially disadvantaged, marginalized or displaced groups in society. Consideration is given to a range of global case studies to provide opportunities for students to: critically evaluate the impact on sustainable development targets and the policy making process; provide practical strategies for mobilizing and empowerment of citizens and communities to realize their full potential; to apply best practice for promoting more inclusive approaches in sustainable development policy and urban design. This course will equip students to contribute to international policy making for the achievement of inclusive, accessible, green and quality public spaces where the needs of all inhabitants are met, engender a sense of belonging and ownership, promote equity and social cohesion and eradicate

poverty.

Pre-requisite: ISU208 and ISU205

ISU306 - Circular Economy

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

The continuous population growth requires rapid economic growth for human survival. However, the current linear economic approach of the “take, make, waste” model - based on resource consumption - puts serious pressure on resource availability for future generations. The circular economy is a restorative cross-disciplinary approach that decouples economic growth from resource consumption. It aims to keep products, components, and materials at their highest utility and value. The course helps students to develop a deep understanding of the philosophy and concepts that underpin the circular economy and how, using a systems-based thinking approach, it is possible to manage materials sustainably by applying a “take, make, reuse/repurpose” model. Thereafter, students analyze the circular economy’s technological, economic, and policy implications in real-world contexts at national, local, and organizational levels.

Pre-requisite: ISU202 or ISU208

ISU307 - Environmental Hazards and Disaster Risk

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

It is difficult to think of a more pressing concern for humanity than the increasing tolls natural disasters (and man-made disasters) take on individuals and society in general. Environmental hazards that cause disasters can result in significant losses in human life and livelihoods, property, infrastructure and natural resources. Resulting environmental damage also negatively impacts sustainability. Human activities often exacerbate disaster risks. This course investigates various types of environmental hazards, including climatic, geological, hydrological and anthropogenic hazards. The course also examines links between hazards, environmental change and disaster risk. Hazard avoidance, mitigation and adaptation strategies will be discussed, in the context of disaster risk reduction.

Pre-requisite: ISU201

ISU308 - Applied Microbiology

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

The course examines the principles of applied microbiology. It provides multiple reflection tools to understand and interpret how microbial technologies have been developed and are being used to benefit humans. The course gives an overview of the utilization and application of microbes in different products and processes. Topics include identification of microorganisms, microbial growth and control, microbial metabolic diversity, as well as biotechnological and industrial applications. In the lab, students have the opportunity to practice and advance their microbiology skills by collecting, isolating, and characterizing microbes from air, water and soil samples.

Pre-requisite: ISU203 and ISU206

ISU309 - Environmental Chemistry

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course involves a study of atmospheric, water, and soil chemistry as well as the associated air, water, and soil pollution. Specific topics include toxic heavy metals and persistent organic compounds in the environment, stratospheric ozone depletion, air quality, and pollution, natural water and water pollution, soil chemistry, sustainability and green chemistry, energy, and climate change. The emphasis is on how the specific discipline of chemistry can help us understand contemporary environmental issues, and what it tells us about possible solutions to environmental problems the world is facing. Students will complete laboratories that will involve environmental sampling, quantitative detection, and data analysis.

Pre-requisite: ISU206

ISU400 - Social Entrepreneurship

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course provides students with knowledge and immersive experience of social entrepreneurship. On successful completion of this course, students should understand the nature and importance of Social Entrepreneurship, and a typology of social-orientated business models, including frugal, bottom of the pyramid, sharing and circular business models. In addition, students will also possess the strategic know-how in developing competitive strategies and different ways to achieve social and economic impact by implementing shared value strategies. Contemporary methods of social entrepreneurship including the living lab approach and quadruple-helix collaboration models will be demonstrated with industry examples and practical exercises. This course is a step change from social entrepreneurship that too often is fixated with a donation model, and instead introduces students to market driven approaches that simultaneously achieve social or environmental impact.

ISU401 - Organizational Change for Sustainability

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course is one of the required courses for the Sustainability Enterprise Concentration within the Bachelor of Sustainability. The broad aim of the course is for students to understand how the development of a more sustainable society and economy requires fundamental changes in the way in which organizations function and define success. We will cover a variety of themes relating to sustainability reporting, sustainable organizational development, corporate citizenship, and corporate social responsibility.

ISU402 - Impact Investment

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

Impact Investing includes investment approaches that intentionally seek to create not only a financial return, but also a positive social or environmental impact that is actively measured. This module introduces students to the impact investment landscape and the use of impact investment as an asset class, particularly in the context of developing economies. On the investor side, the course presents the opportunities and challenges for investors that seek impact investment vehicles and the process of financial due diligence to ensure compliance of social enterprise to responsible investment norms. Finally, the course explores impact investment concepts such as the venture philanthropist and the impact investor, Social Impact Bonds, successes and failures to date, mobilisation of investors, allocation of capital and the prospects for the future of impact investing, both in developed and in developing economies.

ISU403 - Food and Water Security

3 Credits, 1 Lecture, 0 Lab, 2 Forum hours

Schedule Type: Interdisciplinary UG Lecture

Food security dynamics are highly impacted by water supply under a growing global population, increasing costs, pest invasion, rising poverty levels, and the effects of climate change. The challenges the world faces in food and water security are escalated by rapidly varying conditions of the supply chain and changing climate that threaten crop production and soil productivity. Strategies to increase food security such as water resource management and reclamation of wastewater as well as integrated pest management programs and modern trends in alternative farming will be discussed in depth. This course will focus on the concepts of food security, food sovereignty, food justice, and agricultural sustainability from local, regional, and international perspectives. It will trigger discussions and support participants to think broadly about how to best utilize water, especially in view of a growing demand for food and increasing pressure on freshwater resources in the context of climate change.

Pre-requisite: ISU205 and ISU208

ISU404 - Energy Policies and Net Zero Scenarios

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

The course provides an overview of energy resources, the challenges associated with energy use and policies for a low-carbon, clean and lasting energy future. In this course energy resources and policies will be discussed in the contexts of energy security, environment, and economics. Special emphasis will be given to policies related to climate change, pollution and waste, land conservation, and ecosystem impacts. Energy Policies specific to the U.A.E. will be addressed.

Pre-requisite: ISU208 and ISU205

ISU405 - Nutrition, Health and Sustainability

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course will explore the relationship between food, nutrition, diets, and human health in the context of sustainability. Current food systems are major contributors to the most pressing health and environmental issues, including climate change, water scarcity, food insecurity, and chronic diseases. The course will discuss the diet, the health and the environment trilemma, food systems and their trends, environmental nutrition as an all-encompassing discipline, and the environmental nutrition model. The course will also examine policies, programs and strategies to build sustainable and resilient food systems to achieve optimal health outcomes.

ISU406 - Wastewater and Solid Waste Management

4 Credits, 0 Lecture, 2 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture and Lab Combined

This course has two components, the first provides fundamental information on wastewater treatment with a focus on understanding the principles of biological, physical and chemical treatment processes. The second part provides the students with knowledge on solid waste management, including minimization, reuse and recycling, landfilling, resource recovery. Innovative and environmentally sound management aspects are also discussed. The course contained 2 hours lab or practical exercise covering related topics.

Pre-requisite: ISU206 and ISU308

ISU407 - Monitoring and Modeling Earth's Systems

4 Credits, 1 Lecture, 0 Lab, 3 Forum hours

Schedule Type: Interdisciplinary UG Lecture

This course will introduce students to the fundamental processes that control weather, air pollution, and climate change and enable them to reduce this complex system to simple, yet useful, models. We will critique current models and remote sensing observations to determine what we can and cannot see or predict. Students will evaluate environmental assessments and forecasts, then extend that knowledge to how science is able to inform and change public policy. We will address what are the most important next steps to solve the pressing environmental challenges facing both science and society.

Pre-requisite: ISU201

LAW200 - Business Law & Ethics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course intends to provide students with the essential legal and ethical principles and frameworks that are necessary from a business perspective. The course is structured and designed in such a manner that it combines the most critical components of "Business Ethics", and "Business Law". The "Business Ethics" component of the course explores the relevance and importance of ethics and social responsibility in business from a multidisciplinary and multistakeholder perspective. Important learning objectives are to increase students' awareness and understanding of corporate ethics, responsibility, and liability and demonstrates how they apply to business situations in the evolving global business landscape. Ethical issues are structured in context to key stakeholders of business: shareholders; employees; consumers; and the society. The objective of the course is to prepare students to develop critical thinking skills in order to resolve ethical issues that they confront at the individual, organizational, and societal

levels. The "Business Law" component of the course introduces students to the fundamental concepts of business law, contracts and torts (e.g., negligence). Other important areas of business law include: forms of business organization (e.g., sole proprietorships; partnerships; and corporations); employment law; consumer law; competition law; environmental law; bailment; guarantee; real estate law (including mortgages); intellectual property; product liability; international law; wills trusts; and Islamic financial law.

LAW225 - Entrepreneurship Law in the UAE

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course aims to provide students with the essential legal knowledge needed for future entrepreneurs. The course focuses on the entire journey of the entrepreneur to present a broad approach of legal principles related to entrepreneurial activity. It presents the legal aspects of business structures to allow the student to know how to establish an enterprise. It discusses the legal implications related to growing a business such as financing the enterprise, regulation of employment relationships, franchise, Intellectual Property, taxation. The course also explains entrepreneurs' liabilities and introduces methods for settling disputes. Finally, the course shows how to prevent bankruptcy and what to do in the unfortunate event the entrepreneur cannot avoid bankruptcy.

MGT209 - Introduction to Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course examines the role of managers at various organizational levels and how they can successfully achieve organizational goals. Topics include the four major functions of management: planning, organizing, leading and controlling. There is special emphasis on diversity, and multicultural and global aspects of management concepts. Students are exposed to hands-on experience in problem solving, decision making and case analysis to enhance their analytical and team membership skills.

MGT400 - Strategic Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Examines theories of management strategy and research into strategic approaches, decision making and action. Particularly important in this course is a discussion of strategic approaches in the international business environment, especially within the context of new information and communication technologies. Course aims to equip students with a critical appreciation of strategic management issues, and to enable them to critically evaluate strategic responses to the changing business environment.

Pre-requisite: FIN308 and MGT309 and MKT310

MGT401 - Business Leadership

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Examines and critically analyzes theories of leadership and research into business leadership. It explores current approaches to leadership traits, behavior, action and training, and examines the nature and role of leadership in the modern global business environment. It also focuses on enhancing students' understanding of business leadership, and covers issues concerning the development of women leaders in U.A.E. society.

Pre-requisite: FIN308 and MGT309 and MKT310

MKT210 - Introduction to Marketing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the theory and practice of marketing. Students gain an understanding of major concepts and techniques used in marketing and have the opportunity to practice applying their knowledge in situations involving private and public sector organizations.

MKT332 - Innovation Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides a basic understanding of managing innovation from idea to implantation and value capture. Specific attention is given to defining and managing innovation process, managing innovation networks, exploiting new ventures and the tools and techniques that can be used to manage innovation effectively.

MKT335 - Consumer Behavior

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Consumer Behavior is about what, when, where and why individuals purchase and consume products and services. This course will focus on a range of topics including the consumer decision making process, the internal and external factors influencing this process, and the marketing strategies that are based on an understanding of this process. Students completing this course will be familiar with the main theories of consumer behavior and should be able to relate them to practical marketing and entrepreneurial endeavors. Throughout the course students will be encouraged to scan their environment to identify evidence of consumer behavior theory and will have acquired some descriptive knowledge of consumers in the U.A.E.

Pre-requisite: MKT310

MKT340 - Social Entrepreneurship and Shared Value

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides students with knowledge and experience of social entrepreneurship and Creating Shared Value. On successful completion of this course, students should understand the nature and importance of Creating Shared Value, and the latest practices in social entrepreneurship, including frugal and circular innovations. In addition, students will also possess the strategic know-how in developing competitive strategies and business models that achieve social and economic impact. This course is a step change from social entrepreneurship or strategy that relies on a donation model, rather it demonstrates both market driven approaches that at the same time achieve social or environmental impact.

MKT432 - Integrated Marketing Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an overview of the major concepts and techniques of integrated marketing communications strategy and management. Students will explore the various tools used by marketers to communicate with their consumers such as advertising, public relations, sales promotion and alternative media and will provide a managerial framework for integrating marketing communications planning. Course work involves developing an integrated marketing communications plan for a new innovation, developed by students in the course Innovation Management. This applied format will help students to develop skills in communications research, setting promotional objectives, developing strategy, media planning, budgeting and measuring promotion effectiveness. It will also provide students with an opportunity to develop communications concepts into unique and creative marketing communications campaigns.

Pre-requisite: MKT310

MKT433 - Digital Marketing and Commerce

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The Internet and the new marketing channels it has precipitated have created numerous innovative and interesting ways to create customer value. With this in mind, students will explore and analyze the opportunities this rapidly changing environment has created for both marketers and entrepreneurs. Topics include starting an online business, implementing e-commerce infrastructure and logistics, and developing an e-marketing plan. Special attention will be given to marketing tactics such as website design, email marketing, mobile marketing, search engine optimization, building online communities, researching

online consumer behavior, nurturing user-generated content and harnessing the power of social media.

Pre-requisite: MKT310

MKT434 - Global Marketing Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the opportunities and challenges associated with marketing across borders. The impact on marketing of the cultural, economic, and political environments in different countries will be assessed. Students will explore activities undertaken to evaluate new market opportunities, develop market entry strategies, and effectively manage global marketing strategies, including analysis of customers and competitors globally. The course includes development of global marketing strategies and tactics, including marketing mix decisions for 1) product, and branding policies, 2) marketing communications plans, 3) distribution channels, and 4) pricing policies in the global context.

Pre-requisite: MKT310

MKT437 - Market Research

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides students with an understanding of how research provides insights that lead to better and more informed decisions vital for the ongoing success of organizations, government, community and nation by guiding them through the investigation of a real world business problem.

Pre-requisite: MKT310

MKT439 - Brand Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides students with knowledge and experience of brand building and management. On successful completion of this course, students should understand the nature and importance of branding building in marketing practice. In addition, they should also possess the strategic thinking and techniques in developing and managing brands that enhance an organization's marketing competence.

Pre-requisite: MKT310

MKT440 - Entrepreneurial Venture Creation

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is a holistic teaching and learning approach that enables students to be more entrepreneurial. This course is modelled on the world-renowned Berkeley Method of Entrepreneurship (BMoE) approach that was developed at the Sutardja Center for Entrepreneurship and Technology at University of California, Berkeley. It will be delivered by faculty that are trained in the BMoE and focuses on helping students develop an entrepreneurial mindset and capabilities. This course follows three entrepreneurship components: mindset, networks and frameworks. Frameworks includes entrepreneurship knowledge, cases and tools relating to opportunity recognition, minimum viable product, business models, case studies and sales processes. Networks relates the understanding on entrepreneurship team culture and diversity and an awareness of the entrepreneurship ecosystem of support and connectivity. Finally, Mindset covers activities that develop entrepreneurial behaviors and effectuation, entrepreneurial team culture and the psychology of being an entrepreneur. This course will cover its objectives by a series of assessments that are applied and will culminate in a team-based entrepreneurship project that proposes a new business venture opportunity. Importantly, this course provides students with a real understanding of the vital role to be played by entrepreneurs and entrepreneurship in the development of a sustainable UAE economy, given the need for economic diversification (UAE Vision 2021/Abu Dhabi 2030).

Pre-requisite: MKT210

MPS220 - Visual Storytelling

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

Focuses on capturing and telling stories through photographs that can be used across media channels. Digital camera

techniques for shooting and photo editing. Significant work will also be done in commercial, portrait, and documentary photography. Students will complete this course with a body of work worthy of submission to national photography competitions.

MPS241 - Audio Production

3 Credits, 0 Lecture, 0 Lab, 3 Other hours
Schedule Type: CCMS Practica

Audio Production is a lecture/laboratory course designed to introduce students to the industry stand production techniques used in radio audio production. Students will be instructed in the use of radio production equipment and the techniques used in producing audio elements for various types of pre-recorded and live audio programs.

MPS321 - Video Production

3 Credits, 0 Lecture, 3 Lab, 0 Other hours
Schedule Type: CCMS Practica

A combined lecture and skills development course that introduces students to the principles and techniques of location production and visual storytelling for journalism, documentary and narrative film as well as the creative use of multi-camera techniques for studio productions. Emphasis on directing, camera and lighting techniques, sound design, graphics, and production equipment operation.

MPS331 - Media and Cultural Criticism

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

The course will focus on contemporary approaches for interpreting media texts and constructing meaning using historical and critical analysis. Students will learn to apply critical methods to popular culture, evaluate the aesthetic quality of print and broadcast messages and assess the techniques used by mass media to influence audiences.

MPS361 - Media History

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

A review of key milestones in the development of human communication and media, including print, electronic media, films and Internet. An historical overview of the Emirates and GCC media. Discussion of the impact of globalization on media as well as contemporary trends toward convergence of the media.

Pre-requisite: COM200

MPS380 - Web Production

3 Credits, 0 Lecture, 0 Lab, 3 Other hours
Schedule Type: CCMS Practica

Design, implementation, and management of communication on the Web through a variety of platforms. Students will learn introductory tools and develop skills in interactive software.

Pre-requisite: COM212

MPS382 - Multimedia Production

3 Credits, 0 Lecture, 0 Lab, 3 Other hours
Schedule Type: CCMS Practica

Advanced skills in merging video, audio, animation, photography, and print into interactive multimedia experiences. Covers aesthetic direction, process, development, time management, and various graphic creation. Techniques in multimedia authoring, with applications for cds, DVDs, and the internet - within film, broadcast, and journalistic contexts.

Pre-requisite: COM210

MPS421 - Advanced Media Production

3 Credits, 0 Lecture, 0 Lab, 3 Other hours
Schedule Type: CCMS Practica

Combined lecture and skills development course that engages students through an in depth examination of the creative, technical, production and distribution techniques of specific media content (print, audio, video, online) through production experience and class discussion. The class will explore craft, aesthetic, production and storytelling issues for both fiction and non-fiction.

Pre-requisite: MPS321

MPS457 - Capstone Project

3 Credits, 0 Lecture, 0 Lab, 3 Other hours
Schedule Type: CCMS Practica

This course allows students to combine the various skills they have learned into a final media production project. This body of work could be a short documentary or narrative film, a radio documentary, a screenplay or a research project on the media industry. The goal is to have a strong portfolio piece that can be showcased beyond a university setting and serve as an introduction to potential employers.

Pre-requisite: MPS382 or MPS421

MPS481 - Zajel Student Media Production

3 Credits, 0 Lecture, 0 Lab, 3 Other hours
Schedule Type: CCMS Practica

A lab course for students to expand skills in writing, research, photography, videography, interviewing, technology, design, communication and problem solving while producing a student publication relevant and entertaining to students, faculty and the community. This is a practical class offering experiential learning in a quasi-professional media setting.

MTH103 - Pre-Calculus

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

This course is designed to prepare students for Calculus and other higher level mathematics courses and for programs in Science, Business and Information Science courses. The course will cover elementary coordinate geometry of the straight line, linear functions, polynomial functions, rational functions, exponential functions, logarithmic functions and trigonometric functions and their applications, rates of change of functions and the idea of a limit.

Pre-requisite: Emsat score 900+.

MTH118 - Finite Math with Probability

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

This course introduces logic and set theory, the language of mathematics and it uses them in the study of fundamental counting principles and basic probability. emphasis is given to practical applications of counting and probability.

Pre-requisite: EMSAT Score 400

MTH121 - Calculus I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

This is the first of a three-semester series in Calculus for Engineers, Scientists, and Applied Mathematics. Calculus I is the study of how things change. It provides a framework for modeling systems in which there is change, and a way to deduce the predictions of such models. This course covers topics from differential calculus with an introduction to integration. The course studies limit and continuity of functions, the Intermediate Value Theorem, derivatives, differentiation rules, Rolle's Theorem and the Mean Value Theorem, applications of differentiation, Antiderivatives, definite integrals, and the Fundamental Theorem of Calculus. Applications of derivatives to real (applied) problems, related rates, maximum-minimum word problems and curve sketching are considered.

Pre-requisite: MTH103 or EMSAT score of at least 1100

MTH122 - Calculus II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: UG Lecture

This is the second of a three-semester series in Calculus for Applied Mathematics. Course topics include: inverse functions, technique and applications of integrations, polar coordinates, sequences and series. By the end of the course students will have firmed up their proficiency at basic differentiation and integration, be able to solve simple differential equations, be able to apply integration to find curve lengths, areas and volumes, will have learned more sophisticated integration techniques, gained an elementary understanding of series, and analyze functions in polar coordinates.

Pre-requisite: MTH121

MTH212 - Business Calculus

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the principles of calculus and its applications in the world of business, finance and economics. The course uses an intuitive approach to the underlying theory of the calculus so that students will understand the validity of the rules and procedures of the subject, but will not be burdened with too many abstract concepts. The main emphasis will be on the appropriate use of procedures to solve practical problems in the world of business, finance and economics.

MTH213 - Business Statistics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides students with an introduction to important topics in probability and statistics and their application in business. The topics covered include Organization and Presentation of Data; Measures of Central Tendency; Measures of Dispersion; Probability; Probability Distributions; Statistical Inference; Correlation and Regression.

Pre-requisite: Satisfaction of Group C General Education Requirement or Math EMSAT 700

MTH214 - Mathematics for Science

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is designed to give students the mathematical tools needed to major in a science related field. Students will cover number representation and the real number system, measurement, Algebraic concepts, natural logarithms and exponential functions, and rates of change with an introduction to derivatives and integration.

Pre-requisite: Satisfaction of Group C General Education Requirement or Math Emsat score 700

MTH215 - Computing Foundations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to some of the mathematical and theoretical foundations of computing. Key topics include computer number representation and their conversion, sets, logic, relations, functions and boolean algebra . Algorithm design and their analysis using growth functions, graphs and trees will also be introduced.

MTH261 - Elementary Geometry

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides students with an understanding of the concepts of geometry and will clarify their understanding of proof in mathematics The course concentrates mainly on Euclidean geometry but will also introduce students to other geometries that have been developed to overcome some of the difficulties encountered with Euclidean Geometry. Methods of teaching school geometry past and present, will be investigated.

MTH281 - Probability and Statistics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Topics covered in the course include discrete populations, samples, organization of data, measures of central tendency and dispersions, charts and histograms, probability distribution, estimation, hypothesis testing, correlation, regression and inferential statistics.

Pre-requisite: Satisfaction of Group C General Education Requirement or Math EmSAT score 700

MTH331 - Linear Algebra

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Linear algebra is important in areas such as physics computer science, engineering, business, and finance. Course is an introduction to the essential elements of linear algebra. Covers linear systems and matrices, Euclidean n-space, orthogonality, linear transformations, determinants, eigenvalues and eigenvectors.

MTH341 - Differential Equations

3 Credits, 6 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Differential equations are used to represent dynamical systems in science, engineering, business, economics, and finance. Course emphasizes applications using technology to facilitate understanding. Topics include: review of first and second order linear differential equations, series solutions of differential equations, numerical solution of differential equations and partial differential equations.

Pre-requisite: MTH122

MTH351 - Discrete Mathematics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course aims to equip students with the mathematical tools they need to support their work as IS majors. Deals with numbers and number systems, sequences and series, vectors and matrices, set theory, logic, relations and functions, inequalities, combinatorics, problem solving strategies and algorithms.

MTH353 - Numerical Analysis

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Numerical approximation techniques are important in areas such as computer applications, science and engineering. The aim of this course is to explain how and why they are used when they can be expected to work. It will also provide a basis for future study of numerical analysis and computing.

Pre-requisite: MTH122

NET255 - Networks and Telecommunications

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces the fundamentals of networking. The course focuses on network terminology, protocols, network models (LAN/WAN), routing fundamentals and subnets.

NET256 - Computer Network Foundations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course covers the key foundations of computer networking. The topics covered include network terminology, standards, network models such as the Open Systems Interconnection (OSI model), protocols (e.g. Transmission Control Protocol (TCP) and User Datagram Protocol (UDP), physical and logical topologies in Local Area Networks (LAN) and Wide Area Networks (WAN), IPv4 and IPv6 addressing, and wireless and mobile networks.

Pre-requisite: CIT210

Co-requisite: NET257

NET257 - Computer Network Foundations Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course provides hands-on practice for Computer Networking Foundations topics covered in NET256.

Pre-requisite: CIT210

Co-requisite: NET256

NET350 - Communication Networks I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces routing basics focusing on router configuration, operating system management, protocols, and basic troubleshooting.

Pre-requisite: NET255 or MTH215

NET351 - Computer Network Technologies

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course covers the architecture, components and operations of computer communication networks. The covered topics include packet and circuit switching, routing, multimedia networks, and network management. The course reviews switching and discusses routing algorithms and protocols , intra and inter-domain routing, and broadcast and multicast routing. It also covers multimedia networking applications' requirements, challenges, and protocols. Network management

paradigms are also discussed, along with the Internet-standard network management framework.

Pre-requisite: NET256 AND NET257

Co-requisite: NET352

NET352 - Computer Network Technologies Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course provides hands-on practice for network configuration, covering VLANs (Virtual Local Area Networks), OSPF (Open Shortest Path First), RIP (Routing Information Protocol) and other topics covered in NET351.

Pre-requisite: NET257

Co-requisite: NET351

NET455 - Wireless Sensor Networks

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course covers core wireless sensor networking concepts including wireless sensor networks architectures, components, and operation; wireless sensor networks communication protocols; wireless sensor networks operating system and programmability. Several sensor-based application areas such as wireless healthcare and environmental applications are addressed as part of the practical component of the course.

Pre-requisite: NET351 or NET350

NUT205 - Principles of Nutrition I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an introduction to the basic nutritional needs of humans. An emphasis will be placed on the function and role of macronutrients in the body, their food sources, digestion and absorption.

NUT210 - Principles of Nutrition II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

On the basis of healthy individuals, this course will focus on sources, digestion, absorption and utilization of micronutrients and protective food. It will give students an understanding for nutrition recommendations and consequences of under or overconsumption. It will furthermore continue to introduce different dietary assessment methods that can be used for evaluating food and nutrient intake. Eating habits and food culture will be discussed from a local and global perspective.

Pre-requisite: NUT205

NUT307 - Nutrition Across the Lifespan

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course covers the basic nutrition needs of individuals throughout the lifespan ranging from preconception to infancy, childhood, adolescence, adulthood and elderly in addition to special requirements during pregnancy and lactation.

Pre-requisite: NUT205

NUT328 - Diet Planning and Assessment

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides students with an in-depth understanding of the use of dietary management concepts and software to assess individual's dietary intakes. It addresses nutritional assessment of individuals' in order to plan and design meal plans to meet nutritional needs.

Pre-requisite: NUT210

NUT412 - Medical Nutrition Therapy I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The nutrition care process, including assessment, diagnosis, intervention and evaluation will be introduced as a concept in medical nutrition therapy. Interaction between diet and drugs will be discussed from different aspects. The course will build on the general nutrition knowledge and in depth cover upper and lower gastrointestinal diseases, and include medical nutrition therapy.

Pre-requisite: NUT210

NUT440 - Medical Nutrition Therapy II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course will give students knowledge about kidney and liver diseases, cancers and HIV, enteral and parenteral nutrition, and metabolic and respiratory stress. The course will deepen students applied knowledge of the nutrition care process and prepare them for practical nutrition and dietetics application.

Pre-requisite: NUT328

OPR300 - Operations Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

In this course, we will study of the operation functions within an organization with an emphasis on decision making operations in a service environment. Decision making techniques in Operations Management include: statistical analysis and technological applications, operations strategy and how the operation function links to other functions in the organization.

Pre-requisite: MTH212 or MTH213

PBH267 - Public Health I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is designed for students who want to consider the question 'What is public health?' It focuses on activities that societies undertake to enhance the health of populations. Although health care is a common focus of attention in this course, it does not focus specifically on the interaction between the health professional and the individual patient. Rather, this course looks at how societies organize health care to make it accessible to all. It also addresses global and influential health issues like smoking, obesity and the changing nature of infectious diseases. The course will discuss how much of modern public health today is about tackling strongly vested interests (e.g. tobacco companies) The course also examines the importance of empowering people, so that they can make healthy decisions. Finally, this module confronts explicitly the political nature of public health. Much disease and ill health has its origins in the way that we organize our society.

PBH366 - Introduction to Epidemiology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the patterns and distribution of health and disease in human populations and of the factors that influence such patterns. It will show how epidemiology to determine the cause of health-related problems, predict risk and provide a basis for broad based preventive action. The course will be richly illustrated with examples of significance within the UAE, the region and globally, and explore how public health is influenced by such information.

PBH367 - Public Health II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course provides students with a basic understanding of the components of the Health Care System (HCS) and the management of an organized delivery system. It addresses the characteristics of health work force, the organization and programs that offer health care, the resources needed to provide the services and the system required for assessing the effectiveness and quality of these services. Contextual factors that influence health policy and its processes are also covered.

Pre-requisite: PBH267

PHL201 - Introduction to Philosophy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course teaches and trains students to become better questioners and encourages critical thinking within the learning environment and beyond. An introduction to philosophy will familiarize students with the discipline of philosophy, its method, history, and major topics. The course will also examine the relationship between philosophy and science, and the philosophy of social sciences. It will also introduce you to such important branches of philosophy as epistemology, ethics, and political philosophy. Ethics is all about right and wrong.

Epistemology is about how we know what we know. The course will explore these questions from the various philosophical traditions: ancient, medieval, modern and contemporary schools of philosophy.

PHN316 - Community Health and Nutrition

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will focus on major health issues in the U.A.E. (and globally), including obesity, diabetes, cardiovascular diseases, hypertension and the metabolic syndrome. Prevention, including physical activity will be discussed. It will furthermore give students knowledge about etiology, risk factors, diagnostic criteria and treatment, with a focus on medical nutrition therapy. Oral health will also be covered, including both prevention and treatment.

Pre-requisite: NUT328

PHN318 - Food Science

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The scientific study of the basic constituents of food and the chemical and physical actions and reactions that cause nutritional, sensory and other changes before, during and after processing. Students use scientific methods in laboratory experiments to facilitate the understanding of food, nutrition, and science. The course will furthermore encourage students to apply theoretical knowledge gained within the field of therapeutically diets and its implication on food choice, preparation methods and modification in recipes.

PHN323 - Food Sanitation and Hygiene

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The purpose of this course is to explore the causes, consequences and prevention of food borne disease across the food chain as well as the components of risk analysis and the importance of their application in the food industry.

PHN450 - Planning and Evaluation in Health Promotion and Health Education

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

In this course, future public health professionals will acquire the basic tools to plan, implement and evaluate the impacts of their health promotion and health education strategies. It covers different frameworks and theories in program planning and evaluation while providing critical insights on the necessity of adopting a strong evidence-based approach. Students will gain an in-depth understanding of the components of the program from the identification of the public health problem to the evaluation of the program outcomes.

Pre-requisite: PBH267

PHN466 - Research Methods

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course provides an introduction to methodologies used in Environmental and Health Science. Following a logical progression from research process, formulation of research problems, data collection and analysis, to report writing, the course prepares students for their senior projects as well as for graduate and professional research.

PHN490 - Internship in Public Health and Nutrition

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Internship

Internship provides professional experience for Health Sciences students in a challenging but supportive working environment of their choice. It enables students to enhance their interpersonal skills, increase self-confidence and apply knowledge and skills gained at Zayed University in a professional setting.

Pre-requisite: NUT440

PHN491 - Senior Project in Public Health and Nutrition

3 Credits, 0 Lecture, 0 Lab, 1 Other hours

Schedule Type: Senior Project (Undergraduate)

The Senior Project is a culminating experience requiring students to synthesize and integrate knowledge acquired in

their coursework and other learning experiences. They will apply theory and principles in a situation that has relevance to some aspect of health professional practice or research. Students work individually while being mentored by faculty and take primary responsibility for identifying and defining a problem, developing a suitable approach and methods needed to address the problem implementing the project and presenting their findings in both oral and written forms. Students are encouraged to engage with clients or partners in the community where appropriate or beneficial.

Pre-requisite: PHN466

PHY100 - Essentials of Physics

0 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is intended to review and summarize the essentials of an introductory first semester college level course in physics covering mechanics, electricity, and magnetism. This course strips away as much abstract math and equations as possible and stresses the essential concepts. Topics covered are: physical units meters, kilograms, seconds (m, kg, s) and how they let you solve any problem in science, how we make measurements and determinetheir errors, the concepts behind motion, how conservation laws simplify many problems, electricity and magnetism.

PHY201 - General Physics I

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

The first part of a two-semester general physics course. The course is intended to provide students with sufficient understanding and knowledge of basic principles of physics that can be relevant to their field of study. The course introduces topics include measurement, errors estimating, Newtonian mechanics, motion, energy, thermodynamics and heat, waves, and fluids.

PHY202 - General Physics II

4 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: UG Lecture and Lab Combined

The second part of a two-semester general physics course. Topics cover electromagnetism, including electrostatics, electricity, magnetism, and electromagnetic waves. Students will consider the nature of light as well as nuclear physics and radioactivity. Laboratory experiments emphasize the theoretical concepts and utilize advanced computerized technology.

Pre-requisite: PHY201

PHY210 - General Physics I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The first part of a two-semester general physics course. The course is intended to provide students with sufficient understanding and knowledge of basic principles of physics that can be relevant to their field of study. The course introduces topics include measurement, errors estimating, Newtonian mechanics, motion, energy, thermodynamics and heat, waves, and fluids.

Co-requisite: PHY211

PHY211 - General Physics I Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical material presented in PHY 201 (Mechanics & thermodynamics) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data. Such data will be assessed within the context of experimental uncertainties.

Co-requisite: PHY210

PHY220 - General Physics II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The second part of a two-semester general physics course. The course is intended to provide students with sufficient understanding and knowledge of basic principles of physics that can be relevant to their field of study. This course

introduces topics include electric charge and fields, electric potential, electric current circuits, magnetic forces and fields, electromagnetic induction, and alternating current circuits. Introduces electromagnetic waves and optics.

Pre-requisite: PHY210 and PHY211

Co-requisite: PHY221

PHY221 - General Physics II Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical material presented in PHY 201 (Electromagnetic & Optics) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data. Such data will be assessed within the context of experimental uncertainties.

Pre-requisite: PHY210 and PHY211

Co-requisite: PHY220

POL227 - Introduction to Political Science

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is an introductory overview to political science. It focuses on the key concepts, approaches and questions of political science. The course provides students with the conceptual foundations and analytical tools that qualify them to study more specialized political science courses.

POL311 - Comparative Social Policy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is an introductory course in policy studies. It will deal with questions such as: What is policy? How can it be described and analyzed? How do new forms and ideas of management affect the organization and delivery of public services such as health, social services, criminal justice and education? A comparative approach draws on examples from Europe, the U.S.A., Asia and the Gulf.

POL324 - Contemporary World Issues and Problems

3 Credits, 6 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines some major problems in global society such as globalization, nationalism, ethnicity, environmental issues, international migration, why states go to war and how economics are vulnerable to financial crisis.

POL325 - Comparative Political Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course covers the key concepts, theories and methods of comparative analysis. Major topics and themes like the states, types of political systems, nations and societies, political economy, political culture and civil society are explored in this course. In addition, the course highlights the different forms of political actors, political institutions, and political processes in each of the main types of political systems.

POL330 - International Law and World Politics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is a survey into the way in which international politics has shaped the emergence, and the development of a modern international legal system. The course covers the history and major sources of the modern international legal system from multilateral conventions, state practice, court decisions, and the writings of publicists. Parallel to the legal study, the course will explore the challenges and contradictions that world politics impose on the development of an international legal system.

POL331 - Principles of International Relations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course introduces the fundamental concepts, theories, and approaches to the understanding of the international system. It explores the main issues, events, and laws that shaped the development of the 'state system'. Students will study the basic notions of warfare, sovereignty, nationalism, peace,

intervention, foreign policy, globalization, the rise of non-state actors, weapons of mass destruction, and global governance, with an eye to how these constructs have evolved and changed through history.

POL332 - International Relations in the Gulf Region

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores the evolution of regional and international politics in the Gulf region from the withdrawal of Britain in 1971. Major issues and transformations like social, economic and demographic changes in the Gulf, the Iranian Revolution, Gulf Wars, the emergence of the Gulf Corporation Council, Gulf security and foreign policies of the Gulf states are explored in this course. In addition, the course highlights the main features and turning points in the relationships between the Gulf states and regional and international powers.

POL333 - Foreign Relations of the United States

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores the role of the American Foreign Policy in the world, and the Middle East in particular. Special attention is placed on the study of the formal and informal sources of production of foreign policy decisions; the economic and political impact of the US foreign policy in the world, and the ideology behind the US foreign policy.

POL334 - The Politics of Oil

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course explores the evolution of the oil industry. Students will explore the origins of the oil industry in the United States and Russia at the beginning of the 20th century. The latter expansion into other regions will follow especially in regard to the Middle East, Asia, Europe and Latin America. A final chapter will explore the growth of the oil industry in Africa in the early 21st century. Particular attention would be given to the political effects the expansion of the oil industry on the politics and societies of the producing countries.

POL335 - International Organizations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course offers a comprehensive introduction to the major theoretical and empirical aspects of the role of international organizations (IOs). It surveys the role they play in global governance, conflict resolution, peacekeeping, human development, security and global trade. In addition, the course covers the ways in which the existing International Relations theories (e.g. Realist, Liberal, Constructivist/Critical ... etc.) approach the understanding, analysis and critique of international organizations. The organizations to be discussed include but not limited to the main international organizations (e.g. League of Nations, United Nations, Bretton Woods system, European Union ... etc) as well as examples of leading Non-governmental organization (NGOs) on the international arena.

POL336 - Foreign Policy of Emerging Powers

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the rise of emerging powers on world stage. Relevant theories from international relations, political science, and economics are used to clearly understand the factors that shape foreign policies of emerging powers and their roles at regional and international levels. Some key events are analyzed at systemic, state, and leadership levels to better understand the pressures and opportunities these countries bring to the international system. Topics to be discussed include shifts in economic and trade policies, global governance, security cooperation, interdependence, competition, and conflict. Key to this study are recently emerging powers such as China, Russia, and India.

POL343 - International Political Economics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines theories and practices of international economic relations. It focuses on why and how international

economic policies are formed and how international factors influence domestic economic policies. Attention is given to international trade, finance, investment as well as the international political and economic policy instruments (e. g. aids, subsidies, quotas...).

POL352 - The State, Society, and the Economy

3 Credits, 6 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This is an investigation of contemporary debates on state-society relations, civil society, nation building, governance, and economic systems. Identifies and explores connections between the forces that influence national development such as imperialism, capitalization and globalization.

POL421 - Policy Case Study I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course focuses on heritage and cultural tourism as it is implemented in the U.A.E.. Specific case studies will include sites developed for Eco-Tourism, Heritage Tourism and Arts Tourism throughout the country such as Sir Bani Yas Island, Sharjah's historic district, and the new museums and cultural districts planned for Abu Dhabi and Dubai.

POL422 - Policy Case Study II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course builds upon POL 421 Policy Case Study I and further explores policy-making and implementation.

PSY207 - Developmental Psychology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an overview of theories of Human Development from Infancy to Late Adulthood. Students will learn about social and moral development theories, cognitive and physical development stages, as well as an overview of developmental milestones at various stages of life.

PSY212 - Introduction to Psychology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course integrates traditional principles of psychology as a way of helping students to know themselves, their culture, and their society.

PSY310 - Introduction to Counseling

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the field of counseling and psychotherapy. It provides students with an overview of the central concepts, goals, and practices of counseling, as well as ethical and professional issues crucial to the understanding of counseling.

PSY321 - Biological Basis for Behavior

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the field of biological psychology and examines the biological correlates of behavior. The course content highlights the physiological mechanisms underlying psychological processes. The nervous system and the hormonal system, two of the major bodily systems whose function underlay psychological processes will be emphasized. Discussions on the normal (and abnormal) functioning of these systems, which facilitates the perception and understanding of our environment and our behavior in response to these environmental stimuli will be explored. Discussion on the role of physiological parameters and their place in psychological theories regarding processes such as the perception of stress will also be covered.

Pre-requisite: PSY212

PSY325 - Cognitive Psychology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides students with the principles, approaches, and key theories underpinning cognitive psychology. The five main areas of cognition (perception, language, memory,

attention and thinking) are considered from a number of perspectives. Experiments and different techniques for the testing theories will be used throughout the course, as well as real-life case studies. Emphasis will be placed on exploring cognitive disorders (such as language, memory, learning and thought disorders) and how they are assessed and treated both worldwide and within the U.A.E.

Pre-requisite: PSY212

PSY330 - Personality and Individual Differences

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course critically examines personality theories developed by major theorists. Students will have a broad understanding of how personality is theorized from a variety of perspectives over the course of psychology's history. Students will have the opportunity to compare and contrast perspectives and to integrate and apply them to real world situation. Additionally, students will utilize case studies to understand how different perspectives approach the same issue as well as the different techniques each uses to assess personality and individual differences.

PSY340 - Mental Health and Psychological Disorders

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines the causes, correlates and prevalence of contemporary mental health problems. Current diagnostic systems and clinical interventions are reviewed. Concepts of causation and vulnerability are explored along with key public health issues such as early detection and prevention.

Pre-requisite: PSY212

PSY363 - Social Psychology I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course investigates theories and research findings of social psychology, including areas of animal social behavior, socialization, language and communication, attitudes, and group processes. It presents an overview of conditions that affect individuals in a social context and examines themes such as attitudes, impression formation, interpersonal relations, and group membership. Topics also cover socialization processes and dynamics, social cognition, perception of self and others, attributions, and organizational processes.

PSY366 - Research Methods I

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an introduction to research methods in psychology. It covers basic scientific methodology used by psychologists to measure and quantify human behavior and cognition. Topics discussed include how to use scientific literature, research designs, interpretation and presentation of data, descriptive and basic inferential statistics, and ethics in scientific research. Upon completion of this course, students will be able to evaluate information scientifically and discuss its implications and limitations.

Pre-requisite: PSY212

PSY371 - Organizational Psychology

3 Credits, 6 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course allows students to explore the impact that individuals, groups, and structure have on behavior within organizations. Topics such as motivation, leadership, power, interpersonal communication, conflict and work stress will be discussed.

Pre-requisite: PSY212

PSY375 - Health Psychology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Students will study the sociocultural, psychological, and biological determinants of behavioral risk factors that affect health. Interventions to improve individual and population health through the modification of behavior or personal relationships will constitute an integral component of the course.

Pre-requisite: PSY212

PSY410 - Individual and Family Assessment

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the field of psychological assessment. Students will be introduced to a variety of assessment procedures and applications used in different fields. Students will become familiar with issues surrounding test construction, validation, and assessment result interpretations.

Pre-requisite: PSY212

PSY413 - Psychological Interventions

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course critically examines different counseling strategies and interventions. Students will develop a clearer understanding of the underlying theoretical approaches, methods, and skills for these strategies. Students will be given opportunities to experience and practice components of therapies.

Pre-requisite: PSY212

PSY425 - Cognitive Psychology II: Reasoning, Problem Solving and Decision Making

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is designed to introduce students to the scientific study of reasoning, problem solving and decision making. Students will learn about theoretical approaches, research methods, and empirical findings within these three major areas of cognitive psychology. Some questions to be considered are: Are humans fundamentally rational or irrational? How do people solve problems? What is the role of insight in problem solving? What is the distinction between deductive and inductive reasoning? The course will be interactive and include numerous research activities, such as designing and running demo versions of experiments, collecting and analyzing data, and interpreting research findings.

Pre-requisite: PSY325

PSY430 - Cultural Psychology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an introduction to cross-cultural psychology. Cross-cultural psychology offers an opportunity to develop an appreciation of the interplay of individual, ethnic, and cultural contributions to personal and group growth and well-being and their role in cross-cultural counseling and interactions. We will focus on both within culture variability as well as between culture variability. The objectives of this course include the mastery of the content areas which will be assessed through your ability to communicate effectively during discussions. In addition, the course objectives will also include your critical thinking skills demonstrated through your performance on the examinations and papers. The course will also look at empirical research findings. Therefore, it is expected students have the basic understanding of research methods and the ability to interpret results effectively.

Pre-requisite: PSY330

PSY451 - Seminar in Applied Psychology and Human Services

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course explores applied psychology within contemporary society. The application of psychological models, theories and methodologies are examined and critically evaluated across a broad array of socially relevant situations. The contexts covered are necessarily diverse, spanning areas such as health and safety, the criminal justice system, consumer behavior, human computer interaction and more. This is in addition to focusing on more traditional contexts such as healthcare and education, where psychology has longstanding professional traditions. The course will also consider ethical issues and the codes of professional conduct governing the activities of applied psychologists. As a science and group of applied professions, psychology is rapidly evolving. This course will focus on emergent themes and issues, especially those of particular socio-cultural significance for the United Arab Emirates.

Pre-requisite: PSY212

PSY463 - Positive Psychology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Using psychological theories this course will cover the history of positive psychology, emotions and motivation, subjective well-being. The course will also examine well-being across culture and ages, and investigate how intergroup relations involves the influence of group memberships of cognition and behavior. Students will review theories and research with a view to developing research-informed appreciation of connections between the fields of social psychology and everyday life, particularly how it relates to happiness, tolerance and intergroup relations. This course will also scientifically examine the nature of happiness and well-being. Topics include the nature and measurement of happiness, the biological basis of positive emotions, an overview of positive trait theories, self-esteem, gratitude, tolerance and emotional intelligence. This course will also provide an overview of how these major theoretical debates and empirical developments inform the area of intergroup relations.

Pre-requisite: PSY212 and PSY363

PSY466 - Research Methods II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides instruction in various advanced quantitative and qualitative research methodologies used in psychology. It is a practical course which prepares students for major academic research projects, and for professional research after graduation. The course follows a logical progression through the research process from the formulation of research problems, through data collection and analysis, and report writing. More specifically, the course has two closely related and complementary themes, critical thinking and research methodology. Students will be involved in formulating relevant research questions, implementing appropriate research methodologies, and in becoming critical consumers of the existing research literature. Students will be introduced to contemporary research methodologies widely used within psychology and the broader scientific community. Students will understand the rationale behind adopting specific methods, and will, through practical application, come to appreciate each methodology's relative strengths and limitations. The course will help students sharpen their critical thinking skills, enabling them to critically appraise and meaningfully contribute to the increasingly global evidence base. Students will further develop their skills in descriptive statistics, and develop a working knowledge of inferential statistical analysis. Students will develop their abilities in reporting research findings for academic peer reviewed journals and conferences.

Pre-requisite: PSY366 or EDC366.

PSY490 - Internship in Psychology and Human Services

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Internship

Internship provides professional experience for Psychology and Human Services students in a challenging but supportive working environment of their choice. It enables students to enhance their interpersonal skills, increase self-confidence and apply knowledge and skills gained at Zayed University in a professional setting.

PSY491 - Senior Project in Psychology and Human Services

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Project; Senior Project (Undergraduate)

The Senior Project is a culminating experience requiring students to synthesize and integrate knowledge acquired in their coursework and other learning experiences. They will apply theory and principles in a situation that has relevance to some aspect of health professional practice or research. Students work individually while being mentored by faculty and take primary responsibility for identifying and defining a problem, developing a suitable approach and methods needed to address the problem implementing the project and presenting their findings in both oral and written forms. Students are encouraged to engage with clients or partners in

the community where appropriate or beneficial.

SEC235 - Information Security Foundations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course presents a comprehensive introduction to core information security principles and practices. Topics include: common threats, attacks and defence strategies, access control, wireless security, basic cryptography, digital signatures, public key infrastructure, network, Internet and email security.

SEC335 - Information Security Technologies

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course presents the security protocols and applications in local and global networks; IP Security (IPSec) and other communication level security systems; LAN security authentication, secure E-mail, secure WWW, with examples and practical solutions.

Pre-requisite: SEC235 and NET256

Co-requisite: SEC336

SEC336 - Information Security Technologies Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

Provides hands-on experience in a live laboratory environment, with the purpose of understanding real-world security threats, attacks and defenses. Takes both offensive and defensive approaches and exposes students to a variety of real-world attacks, including malware, network and web application attacks. It also covers mitigation and defense measures, such as firewalls and intrusion detection.

Pre-requisite: SEC235 and NET256

Co-requisite: SEC335

SEC430 - Information Security Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course presents the field of Information Security from a management perspective. An overview is presented of the activities, methods and procedures related to establishing sound information security management in an organization. Covering all the essential components of a security management program including contingency planning, risk assessment, policies and management models.

Pre-requisite: SEC235

SEC432 - Ethical Hacking

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course covers network and computer penetration-testing techniques that ethical hackers and security testers use to protect computer networks. This course provides a structured knowledge base for preparing security students to discover vulnerabilities and recommend solutions for tightening network security and protecting data from potential attackers.

Pre-requisite: NET256 and SEC335

Co-requisite: SEC433

SEC433 - Ethical Hacking Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This lab provides hands-on experience in hacking and penetration testing techniques in a live laboratory environment, with the purpose of understanding real-world security threats, attacks, ethical hacking and penetration testing trials. Takes both offensive and defensive approaches and exposes students to a variety of real-world attacks, including malware, network attacks. It also covers practical mitigation and defense measures using network firewalls and intrusion detection and prevention systems.

Pre-requisite: NET257 and SEC336

Co-requisite: SEC432

SEC435 - Digital Forensics Foundations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course exposes students to the foundation concepts of computer crimes, digital evidence and the common tools and

techniques of acquiring and reporting digital evidence to be used in a court of law. Coverage includes techniques of how to identify, acquire, preserve, analyze and document forensic evidence. The focus of this course is exposure to some common high-tech investigation cases and the preliminary steps to conduct digital forensic examinations, in lectures and laboratory exercises.

Pre-requisite: SEC335 and CIT315

SOC200 - Social and Economic Trends in the Gulf

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course surveys the many facets of social and economic trends that are emerging in modernizing Gulf monarchies. Students are introduced to the dynamics of sovereignty, regionalism, and globalism, along with key actors such as the state, institutions and organizations that drive these forces. Thereafter, they identify new socioeconomic trends and analyze their causes and implications for the Gulf region as a whole and the U.A.E. in particular. Students are then guided through a process of critical evaluation in examining the importance of these trends, their continuity, and the prospects they hold for the future.

SOC211 - Windows on American Society

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an introduction to the study of American society by examining the nature of its geographic, cultural, socioeconomic, political, educational, racial and ethnic diversity throughout the nation's history. Students examine the United States and U.A.E. societies comparatively.

SOC326 - Comparative Intellectual Traditions

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will consider key intellectual traditions across history, comparing ideas of morality, social justice, political organization, and the relationship between the individual and community, and the self and the divine. Selecting philosophical writings from various traditions, including Asian, Indic, European and Islamic, the course will examine these traditions in their classical contexts and then move on to consider how they evolved in both the early modern and modern periods. The course will give particular attention to how these intellectual trends shaped and responded to changes across time, including, but not limited to, the rise and fall of empires, the formation of nation-states, colonialism, and processes of modernization.

SOC329 - Theory, Method, Evidence: Critical Thinking II

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines how theory and method mutually inform analysis and understanding in the humanities and social sciences. Drawing from scholarship, literature, art and film, the course explores a set of questions pertinent to culture and society that have been raised in various contexts and disciplines and researched and theorized from different perspectives. Students will learn concepts, vocabularies, techniques, and approaches scholars use to source and evaluate evidence. Students will consider how methods and theories change and exchange over time, responding to political intellectual, and moral trends in society, the academy and the world.

Pre-requisite: ANT261 and HIS251 or ANT328

SOC341 - Development and Underdevelopment

3 Credits, 6 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines a wide range of conceptual and practical problems associated with development principles and strategies. Emphasis is on non-industrialized countries and the role of international development agencies.

SOC371 - Organizational Behavior

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course allows students to explore the impact that individuals, groups and structure have on behavior within organizations. Topics discussed are motivation, leadership,

power, interpersonal communication, conflict and work stress.

SOC374 - Comparative Sociology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course will begin with an introduction to the basic concepts and methodology of comparative sociology. It will then use these to examine societies and social institutions, for instance food culture, family, marriage, and issues of population (demographic), every day social practices, gender equality, and popular culture (literature, film, sports). It will discuss the extent to which such institutions are universal, and also account for the variations in how they are practiced in different societies and even within the same society but in different time periods. Finally, the course will offer perspectives about the impact of globalization and social media on selected societies.

SOC423 - Issues in National Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course considers economic, social and cultural dimensions of development and encourages a more interdisciplinary perspective on national development and change. Contemporary issues in growth are considered, with special reference to economies in transition and the sustainability of development initiatives.

SOC453 - Women, Society and Politics

3 Credits, 6 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course examines women in the non-industrialized countries of Asia, Africa and Latin America. Explores the dynamic relationship between economic, social, cultural and political forces that influence women's lives in modern societies.

SWE220 - Introduction to Programming for Beginners

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is an introduction to programming language for students without prior programming experience. Students learn fundamentals of programming problem-solving methods and algorithms for solving multi-disciplinary problems with a focus on practical applications. It aims to provide students with an understanding of the role computation can play in solving problems, regardless of their major.

SWE225 - Introduction to Programming and Problem Solving

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course provides an introduction to the principles of programming for problem solving. It introduces algorithm design, program development and execution. Students learn how to identify and formulate solutions to simple, real-world problems using essential programming structures, and to perform code walkthroughs and basic debugging.

Pre-requisite: MTH215 or ART201

SWE245 - Web Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course introduces the principles, methods and tools of client-side web design and programming. Students will learn how to design and develop interactive web applications on the client side. The course demonstrates how to effectively use Hyper Text Markup Language (HTML), Cascading Style Sheets (CSS), and JavaScript to implement a variety of interactive web applications. Furthermore, the course will cover web design patterns of information architectures, interaction widgets and navigation systems.

Pre-requisite: SWE225

SWE320 - Object Oriented Programming

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course transitions the student's approach to problem solving from the procedural approach (taught in SWE-225) to the Object-Oriented (OO) approach. The transition happens by supporting students to solve real-world problems by encapsulating behaviors (methods) and related attributes (data)

into a single unit - the Object. The course will enable students to analyze, design, and develop solutions by learning the OO concepts of Classes, Objects (instances of Classes), Class Relationships, Polymorphism, and Reuse. The concepts use the OO principles of Abstraction, Encapsulation, Association, and Inheritance, and are implemented using class diagrams in an OO programming language.

Pre-requisite: SWE225

Co-requisite: SWE321

SWE321 - Object Oriented Programming Lab

1 Credit, 0 Lecture, 2 Lab, 0 Other hours

Schedule Type: Lab

This course is the lab based companion to SWE320. This course transitions the student's approach to problem solving from the procedural approach (taught in SWE-225) to the Object-Oriented (OO) approach. The transition happens by supporting students to solve real-world problems by encapsulating behaviors (methods) and related attributes (data) into a single unit - the Object. This course will enable students to analyze, design, and develop solutions by learning the OO concepts of Classes, Objects (instances of Classes), Class Relationships, Reusability, and Polymorphism. The concepts use the OO principles of Abstraction, Encapsulation, Association, and Inheritance, and are implemented using class diagrams in an OO programming language

Pre-requisite: SWE225

Co-requisite: SWE320

SWE346 - Dynamic Web Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course prepares students to design, develop, and deploy secure web-based applications with dynamic content, and to integrate web solutions into an organization's information system. The course uses the three-tier architecture (presentation, business, and data) for creating dynamic web content.

Pre-requisite: SWE245 and SWE320 and CIT365

SWE371 - Mobile Computing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course introduces students to the field of mobile computing in terms of concepts, principles, best practices, techniques, and technologies. Students learn the different approaches for designing and developing mobile apps whether these apps are platform-dependent or not (native, mobile Web, and hybrid). Basic security, testing, and deployment aspects of mobile apps are, also, included in the course.

Pre-requisite: SWE225

SWK407 - Adulthood and Aging

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

Using a lifespan approach, this course encompasses the longest phase of the life cycle - adulthood. It examines developmental processes in young, middle-aged and older adults from the physical, cognitive and socio-emotional perspectives. In addition, the course will consider some of the most pressing social policy issues affecting older adults both globally and locally. It will examine various biological, sociological, historical and cultural factors that influence development. Finally, it will challenge students to explore how the choices they make will affect their own developmental trajectories or long-term outcomes in adulthood with a focus on successful aging.

SWK466 - Marriage and the Family

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

The course provides understanding of family development across the lifespan including the family as a system, family interaction and family roles. Emphasis will be given to marriage, from beginning (pre-marriage) to dissolution (divorce or death). The course will consider marriage and family patterns including issues such as mate selection, gender roles, rules, conflict, work, divorce and death. While consideration will be given to cultural diversity the focus, when possible, will be on families

in the UAE.

TCC237 - Interpersonal & Intercultural Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course looks at the influence of culture on interpersonal and cultural communication processes. Focus on the impact of values, beliefs, perspectives and verbal and non-verbal codes on intercultural interactions, and the development of interpersonal communication skills that improve competence in communication across cultures.

TCC371 - Tourism Principles

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is an introduction to the major tourism theories, concepts and practices. It focuses on the concept of the tourism system as a communication system and how the key sectors and stakeholders (government, private, community, transport, accommodation and attractions) interact to produce a complete tourism product, and considers the factors that influence tourism demand and the impacts of tourism on destinations and people.

TCC372 - Communicating Tourism: Destinations, and Heritage

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course is an integrated approach to the application of public relations, advertising and marketing strategies for the effective promotion of destinations, cultural heritage and other tourism attractions, facilities, products, and services. It emphasizes the use of multichannel, multimedia communication to build destination image, raise awareness, attract and inform and uses case studies of global and local best practices.

TCC375 - Planning and Promotion for Events and Festivals

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: UG Lecture

This course develops a fundamental understanding of the various types of events and festivals. It examines the events planning process, organization, implementation, and evaluation, including the creation of comprehensive event proposals, feasibility studies, the development of integrated communication strategies to meet the identified objectives, and managing the event or festival as a project.

TCC471 - Applied Tourism Project

3 Credits, 0 Lecture, 0 Lab, 3 Other hours

Schedule Type: CCMS Practica

This course requires students to apply the knowledge and skills they have developed to a contemporary challenge in tourism, culture and/or heritage. Students develop research and work in depth on formulating communication strategies to address one particular challenge. In doing so, students develop the capacity to draw on the theoretical and practical knowledge they have acquired throughout their coursework and apply it to the resolution of a problem (in the form of event, campaign, applied research, or any other innovative project). Students work on these projects in teams and under the guidance of a faculty and/or a community partner. Ideally students work with a real client in the tourism industry in the UAE and make use of real-life situations. All projects should contain an element of public engagement.

Pre-requisite: TCC372

Graduate Courses

ACC610 - Accounting

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course is designed for managers who use accounting information, focusing on the language of accounting, the kinds of information that can be provided by accounting systems, and how this information is used to make business decisions. An overview of accounting systems is provided, but the course does not focus on the details of bookkeeping or creating accounting systems.

ACC632 - Financial Statement Analysis and Business Ethical Standards

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides an introduction to the structure and format of financial statements, the analysis and interpretation of accounts, ratio analysis, and the assessment of financial performance. It also provides an understanding of the ethical and corporate governance standards that need to be observed and practiced in contemporary financial management.

BUS668 - International Law and Business Ethics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the ethical issues raised by the activities of the business and corporate sphere and the legal complexities of the societies and environments in which they operate. It also focuses on legal and ethical complexities of the transnational business activity.

CDI622 - Curriculum Design and Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

Within a framework of national and international education reforms, this course critically analyzes philosophical perspectives on curriculum evolution and development. Students compare and contrast international curriculum initiatives as a basis for analysis and evaluation of issues in the current scope and sequence of K-12 curriculum in the UAE. Curriculum and learning theory are utilized to design unit plans appropriate for 21st century learning environments.

Pre-requisite: EDP610

Co-requisite: ETC624

COM601 - Foundations of Communication Studies

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course is designed for students entering the CCMS graduate program. It introduces students to the historical development of the discipline and addresses issues involved in conceptualizing and carrying out communication research, including selected contexts (e.g. corporate communication and tourism) and other areas of study (e.g. persuasion and non-verbal communication).

COM602 - Communication Research Methods

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course presents an introduction to general qualitative and quantitative methodologies typically used by professionals to conduct applied communication research. Example topics include the design, sampling and measurement techniques used in survey research, constructing and conducting in-depth interviews and focus groups, and applying content analysis for comparative and interpretative purposes for message development and media coverage.

COM604 - Cross Cultural Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the process of communication across cultures and between different cultural groups. It focuses on the ways in which identities are constructed, maintained, and negotiated in different cultural contexts and on the ways in which different groups seek to understand and "construct" each other, both in terms of representations and cross-cultural encounters.

COM606 - Understanding Consumer Trends

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course introduces the major concepts of consumer behavior, media usage patterns, and key relationships that influence decision-making processes. It also focuses on identifying consumer trends and the importance of applying consumer insights effectively as communication professionals.

COM607 - Social and Digital Media Strategies

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course looks at current and emerging social and digital media and examines how they are utilized in the communication industry. The primary drivers within these domains will be strategically analyzed along with the current and emerging forms of enabled communication. Students will obtain a sound understanding of key social and digital media, the ways in which they are used, and how success is measured.

COM613 - Corporate Social Responsibility and Ethics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides a detailed understanding of the role and practice of public relations in corporate social responsibility (CSR) and ethical models of communications. Focus on key topics such as: implementation and management of CSR programs as an integrated element of business practice, tailoring CSR to stakeholder needs and conditions, ethical values in public relations, ethical decision making and communication, and codes of ethical practice.

COM623 - Event and Festival Planning and Promotion

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course examines the various components of planning and promoting events and festivals. Emphasis is placed on the best practices used by professionals in industry-specific applications and analysis of real-world activities.

COM650 - Applied Research Seminar

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course focuses on the development of a relevant literature review, selection of a specific applied methodology, and use of the appropriate methods of analysis to produce an applied research proposal.

Pre-requisite: Students must have successfully completed a cumulative 21 credit hours within the program.

COM651 - Capstone Research Project

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This capstone project course integrates prior learning to develop a viable scholarly investigation and research methodology for an in-depth study and analysis of a selected academic topic. Students receive intensive individual guidance in conceptualizing, designing and completing their study.

Pre-requisite: Students must have successfully completed a cumulative 21 credit hours within the program.

COM652 - Advanced Research Project

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This research project course provides students with direct experience in conducting an independent research project. Research projects will involve aspects of topic development, study design, sample design and/or data collection and statistical analysis, interpretation and completion of written reports. To participate in this course, students must have an academic supervisor for a research project.

ECN655 - Macroeconomic Analysis

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course aims to give students an in-depth understanding of the different economic concepts that apply to the national and international economy. It also provides an understanding of the world economy by identifying the major current events, analyzing their causes and consequences and setting them in the global context.

ECN658 - Monetary Policy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course will provide participants with an understanding of the structure of central banking, its instruments, and its impact on the banking system and the economy. It explains the effect

of changes in money supply and interest rates on aggregate economic activity and distribution of resources.

ECN666 - Managerial Economics

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course focuses on the theoretical relationship of economics to contemporary managerial decision-making. It also focuses on optimization techniques, quantitative and statistical market analysis, pricing and output strategies, international trade, and the role of government.

ENV600 - Environmental Sciences & Ecosystem Analysis

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This subject provides an advanced overview of the interactions between humans and the environment. Special emphasis will be placed on the chemistry and biology of environmental pollution. Examples of air, water, and land degradation will be studied using case histories. Understanding problems from an ecosystem wide perspective will be stressed.

ENV601 - Science Communication and Writing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This subject will introduce the fundamentals of scientific reading, scientific writing, visualising science and how to communicate science effectively. The main aim is to assist students with the process of preparing the written proposal for their chosen MSc Thesis research topic. The course will examine strategies to explore, appraise and summarise key findings from published scientific literature. Students will expand their vocabulary and language skills required for scientific writing. They will learn ways in which language is used to conceptualise ideas, make comparisons, critique other work objectively, and propose new work. Various creative ways for visualising methods, observations, data and results will be introduced. Different techniques helpful in orally communicating scientific rationale, goals, findings, caveats and recommendations will be discussed, in order to become better science communicators.

ENV610 - Sustainability Planning and Management

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This subject provides foundational knowledge of the principles of sustainable development as a possible way to balance social equity, environmental sustainability and economic needs. This subject draws on numerous case studies from around the world to illustrate the complexity of sustainable development issues and their implicit trade-offs.

ENV611 - Renewable Resources & Mixed Energy in Sustainable Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This subject will explore the role of clean and efficient renewable, non-renewable, and alternative resources of energy to meet demands for sustainable development, with focus on UAE. The subject will provide a detailed description on the latest principles behind renewable, non-renewable, and alternative energy technologies, pro's and con's and explore their sustainability and socio-economic impact. Topics include traditional fossil fuels transitions towards more efficient and low carbon emissions fuels, solar energy (thermal and photovoltaics), waste-to-energy, bioenergy, energy storage: hydrogen fuel cells versus batteries, grid integration, energy efficiency and sustainable energy efficient buildings. The course will be delivered through a combination of lectures, exercises/problems, demonstrations, round-table discussions and field visits solar park/sustainable city. Course material consists of a textbook, relevant reports and articles and lecture material provided by the teacher.

Pre-requisite: ENV 610

ENV615 - Environmental Impact Assessment

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course is designed to introduce students to the environmental impact assessment (EIA) and to provide

theoretical and practical education in its role in decision making. The focus is on the rationale and methodology of integrated EIA, including consideration of the relevant biophysical, social, cultural, economic and human health aspects of development proposals, programs and policies. Included are aspects of tendering for and budgeting of EIA projects. Case studies will illustrate aspects of EIA in practice, and students will create an EIA based on a local proposed project or facility chosen by the students.

Pre-requisite: ENV 600

ENV620 - Occupational Health and Safety

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This subject will provide the knowledge to identify occupational health risks, and to maintain minimum safety regulations to prevent serious incidences and injuries in a workplace. Topics include safe work environments, workplace hazards, occupational hygiene, employee safety and security, hazard communication, ergonomics, stress management, ethical issues in occupational health and safety, worker disability management, and workplace assessment and evaluation. Field visits to various worksites will complement lectures and highlight comparative analysis to evaluate and assess safety practices in different work environments.

ENV625 - Environmental Protection

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

Student will acquire knowledge and understanding of world environmental issues, by focusing on the causes of the current state of the environment and the principles and remedies required for environmental protection. Students will learn and understand a range of environmental problems, ranging from local to global scales. Student will gain advanced skills in dealing with regional and local problems related to environmental degradation and pollution by detailed analysis of the basic components of the environment. Students are able to solve complex problems within the field by managing and implementing information technology and mitigation techniques related to environmental challenges. Students can independently use modern tools and promotion of environmental protection in a framework of sustainable consumption and production and sustainable society. When applying environmental and economic aspects of environmental protection, students learn to appreciate the need for effective decision-making in professional situations.

Pre-requisite: ENV 615

ENV630 - Advanced Environmental Policy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course will examine the policy making process in environmental policy in the United Arab Emirates and the global implications for that policy. Topics to be covered will include air and water policy, energy production and regulation, federal land policy, and problems associated with food security and agricultural production. This is a central class for graduate students focused on environmental and natural resources policy for the Middle East.

ENV650 - Ecotoxicology

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This course has three components, (1) a Lecture component, (2) a Case Study component and (3) a small field survey of an environmental toxin. These components are described in more detail next. Lecture Component: This course will examine the nature, source, dispersal and fate of toxic substances released into the environment. Toxins included are organic, inorganic and radioactive toxins. Mechanisms of toxicity will be discussed at the cellular, individual, population and ecosystem level. Methods used to monitor for toxic agents and the risk the pose will also be covered. Case Studies Component: Approximately once every four weeks, the student will read an article from the primary literature. They will summarize it and discuss its applicability to the UAE with the class. Field Survey/lab exercise Component: A small field sampling project will

be done in conjunction with the lectures in which the student identifies a toxin of interest, plans and executes a sampling campaign to measure the spatial distribution of this toxin or its effect on a biological system.

ENV655 - Liquid & Solid Waste Management

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This subject explores the main sources of a) liquid and b) solid waste generation and the methods of waste management. This course also covers the public health importance of proper Integrated municipal solid waste management System (ISWMS). Functional elements of solid and liquid waste management will be studied and their suitability in varying circumstances will be explored. The course includes a laboratory component and field trip with practical exercises that complement the lectures. For b), a detailed understanding regarding generation, pick up, material recovery, transport, and ultimate disposal options be developed. Currently available disposal technologies i.e. landfill & Incineration including WtE / EFW/ Gasification / vitrification etc be critically examined for its suitability specific with reference to sustainability criteria & health concerns. Other special solid waste sectors be addressed including hazardous waste, Nuclear waste, plastic waste, e-waste, chemical waste, food waste etc.

Pre-requisite: ENV 600

ENV656 - Instrumentation and Analytical Methods in Environmental Sciences

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

ENV556 covers the latest and most common instrumentation and analytical tools used in environmental analysis and monitoring. The subject draws on knowledge of Chemistry, Biology, and Earth Sciences to explore instrumental techniques used in environmental monitoring and reduction of environmental hazards. Lecture topics cover electroanalytical chemistry (potentiometry, voltammetry), atomic spectroscopy (AAS, GF-AAS, and ICP-OES, ICP-MS), Molecular spectroscopy (UVVIS, IR, fluorescence and Raman spectroscopy), separation methods (GC, LC, HPLC), and mass spectrometry. Materials characterization techniques (XRD, SEM). Practical laboratory exercises complement the lecture material.

Pre-requisite: Undergraduate General Chemistry, Organic Chemistry

ENV657 - GIS Applications in Environmental Science

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This subject provides students with a foundation in the science and technology of geographical information systems (GIS) and their application to environmental studies. GIS science focuses on ways to describe and represent geographical phenomena and explain geographical patterns and processes. GIS technology focuses on data modelling, databases, map visualization and web applications. The subject provides GIS skills that can be applied in a wide range of areas, including ecology, conservation science, environmental management, planning, geography, and the earth sciences and provides laboratory sessions for students to apply GIS to solve practical real-world problems.

Pre-requisite: ENV 600

ENV660 - Restoration Ecology

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This subject addresses the theory and practice of ecological restoration with a focus on the desert and coastal environments found in the Arabian Peninsula. Topics include landscape processes, connectivity, baselines, biological re-introductions, vegetation techniques, restoration evaluation and monitoring. The lectures will be complemented with laboratory exercises and a field trip.

Pre-requisite: ENV 600

ENV665 - Environmental Microbiology

4 Credits, 3 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This course explores how microorganisms grow and their role in shaping biogeochemical processes and organic contaminant degradation. The subject will explore some of the most important concepts in microbiology and methods of waste management that apply this knowledge. The subject will introduce molecular methods used to study microorganisms, and address current technologies and processes involved in managing waste using microorganisms. The increasingly common antibiotic resistance in bacteria and its public health implications will also be addressed. The subject includes a laboratory component and field trip with practical exercises that complement the lectures.

ENV670 - Coastal and Terrestrial and Environments

4 Credits, 4 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course introduces advanced level study of earth-surface processes responsible for shaping and influencing the characteristics of terrestrial and coastal environments. Elements of geomorphology, pedology and hydrology will be taught and combined to understand the development of natural landscapes and their main attributes. A wide variety of examples and illustrations will be drawn from different environmental regimes around the world, but with a special focus on tropical regimes and the UAE. Desert landscapes, floodplains, wadis, mountains, coral reefs and mangrove forests are examples of topics covered in this course. The course will also present contemporary challenges leading to environmental change and possible environmental degradation. Important components of the course will be practical work, both in the classroom and outdoors on occasion. The course includes two mandatory full-day field trips, one to a local desert ecosystem and one to a local coastal ecosystem (e.g. sabkha-, mangrove-, seagrass- or coral reef). The field trips will include active field measurements using various types of field equipment and results will be reported in the form of field reports.

Pre-requisite:ENV 600

ENV690 - Experimental Design & Data Analysis in Natural Sciences

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This subject provides students with an understanding of basic statistical concepts critical to the proper use and understanding of statistics in natural and conservation science and prepares students for subsequent courses in environmental science with a practical research component. The subject covers foundational concepts in statistical modeling/analysis and methodology applied in field environmental and ecological studies. The focus is on defining statistical models and analytical tools, as well as basic study design concepts dealing with practical issues associated with real-world study designs.

ENV693 - Contemporary Issues in Sustainability and Environmental Technology Seminar

1 Credit, 1 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides the students with the essential skills to collect, collate, and analyze data and make inferences on a selected/given topic related to Environment and Sustainability at all scales from local to global. Examples of topics are: high consumerism, limited natural availability, waste of these limited natural resources, resource scarcity, damage, green science and technology, and other contemporary concerns and how they relate to sustainability.

Pre-requisite:ENV 610

ENV695 - Environmental Field Expedition

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This is a field-based expeditionary module, specifically tailored for Masters level, at the intersection of Environmental Science, Physical Geography and Environmental Sustainability. The course begins with preparatory briefing sessions in the classroom, but concentrates mainly on field studies where hands-on skills are taught. In non-formal outdoors settings, students will learn field techniques needed to investigate a

broad range of earth-surface processes that operate across a range of environmental types (e.g. deserts, mountains, rivers, coasts). Group and individual tasks are embedded in course. Students will develop new skills by employing a range of tools, equipment and instrumentation in exciting (and often spectacular) field locations. Particular emphasis will be placed on how to sample in the field and to collect robust environmental measurements. Methods will include, amongst others: mapping, basic surveying, research photography, soil profiling, sedimentology, slope measurement, field water quality assessment, habitat identification, field geology and geomorphology, weather and climate observation, and fluvial/hydrological measurement. Practice with specially purchased field equipment will be fun and lively. Teamwork will promote leadership, independence, confidence and camaraderie in the field. Post-expedition, students will also learn advanced methods of field data display and analysis, and how to make meaningful interpretation of results through writing field reports and delivering oral presentations on their environmental findings.

ENV699 - Thesis in Environmental Science & Sustainability

6 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Supervision Thesis

This is an individual project that comprises a substantive, original research programme carried out by the student. The research must be aligned with the program and therefore the chosen topic should address some area of Environmental Science and Sustainability. The student is completely responsible for the work presented in the thesis, which will be examined by two examiners (1 internal and 1 external).

The unique topic of the project will be developed during the student's first semester of enrolment in the MSc program.

The topic proposed by the student will be discussed and finalised in consultation with a Thesis Supervisory Committee (TSC) comprising three faculty members - the ZU internal main thesis supervisor and co-supervisor, and an external co-supervisor from a reputable outside academic institution (either domestic or international). The individual faculty members comprising the TSC will depend and be decided by the MSc program coordinator according to the particular expertise required to supervise the specific project successfully (e.g. expertise required in environmental biology, environmental chemistry, environmental geoscience, environmental policy, environmental management, etc.).

The supervisory team will have a continuous mentoring role with the student throughout the entire 4 semester master's programme.

The research work (fieldwork, experiments, analysis) and thesis writing will take place in the final two semesters of the program (semesters 3 and 4).

FIN630 - Corporate Finance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course emphasizes financial management from a management perspective. The course focuses on raising and spending cash both short-term and long-term to create share value.

FIN631 - International Finance and Banking

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course gives an overview of international financial markets, exchange rate determination, hedging, financial assets and investing internationally.

FIN633 - Statistics and Quantitative Methods for Finance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course studies quantitative methods for both financial and economic analysis, which provide the framework for rational financial decision-making in contemporary financial management. The course will include contents of business mathematics, descriptive statistics, probability, hypothesis testing techniques for statistical analysis, and financial econometrics.

FIN634 - Fundamentals of Asset Valuation

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course introduces students to fundamentals of equity analysis, portfolio construction and management, and the valuation of derivatives. Also studied in this course are Fixed Income Securities and Interest Rate Modeling, which cover the principles of fixed income portfolio management.

FIN638 - Islamic Finance Principles

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course examines the core principles of Islamic finance. Its aims are to develop an appreciation of the Sharia compliant financial products and the rationale for the prohibition of Riba (usury) in Sharia compliant financial instruments. The course will look in detail at the financial techniques applied by Islamic banks with detailed analysis of Islamic asset and fund management and risk sharing concepts (PLS model). Additionally, this course will examine the Islamic Sukuk (bond) market and Islamic Takaful (insurance).

FIN656 - The Financial and Banking System

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course is designed to introduce the economic analysis of banking and financial systems, and thus provide a foundation for further study in money, banking and finance. It explains the nature, functions, and the structure of financial and banking systems, and examines current issues, and analyses intermediaries and markets.

FIN657 - Financial Institutions Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course focuses on strategies and instruments that banks and financial intermediaries must use to achieve and maintain short and long-term efficiency and profit maximization objectives. It introduces students to strategic content and managerial functions of financial management in banks, and other financial services firms.

FIN659 - Financial Markets

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

Participants will develop an in-depth understanding of financial markets and acquire the knowledge on the operations of different types of financial markets and financial securities traded in those markets. Participants will have an appreciation of the importance, risk and functions of various financial markets.

FIN690 - Applied Research in Finance

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course to be undertaken after the completion of all other subjects will draw together the knowledge and skills acquired from most, if not all of the previous subjects, and will focus on the ability to examine certain issues in a real world situation. This course examines the research process, including the design and implementation of methodologically sound projects and the evaluation of research.

HRM640 - Human Resource Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides a framework for thinking strategically about the management of human resources in organizations.

HRM663 - Organizational Behavior and Leadership

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course focuses on individual, group, and leadership behavior in organizations. Topics covered may include personal performance and stress management; the theory and practice of effective organizational leadership; leading and managing teams; women business leaders and employee diversity; interpersonal, group and organizational communication; employee motivation, empowerment and performance, managing power and politics.

INS601 - Research and Knowledge Discovery

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course introduces both quantitative and qualitative methods for collecting and analyzing data to discover new knowledge. Applying research processes and information retrieval principles, the focus is on framing queries and defining investigable questions. Understanding the nature of complex problems and evaluating existing knowledge through critical and systematic analysis will identify relevant knowledge and knowledge gaps. Students will propose how these may be addressed using suitable methods such as case studies, experimentation, survey, and field studies. Along with general research concepts, the concept of analytics and methods for creating knowledge and discovery of information in datasets and other digital resources will be introduced.

INS604 - IT Architecture and Digital Business Models

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides students with the theoretical foundations and practice of the IT architecture and Digital Business Models. The course presents the fundamentals of the design, selection, implementation, and management of enterprise IT applications, infrastructures, and their fit with the business. This course focuses on the integration of information systems in organizations, the process by which different computing systems and software applications are linked together physically or functionally. Students learn enterprise architecture frameworks and strategies for infrastructure management, enterprise information architecture models, information governance, data and content management, cloud computing, and new trends in dynamic warehousing and business analytics.

INS607 - IT Service Management Foundations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course presents and analyzes key Information Technology Service Management (ITSM) processes associated with IT strategy development, and the design, implementation and delivery of IT services. Building on widely recognized IT management frameworks, IT Infrastructure Library (ITIL), ISO 20000 and Control Objectives of Information and Related Technology (COBIT), the course provides a comprehensive understanding of IT services management "best practices".

INS612 - Digital Transformation Strategy & Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

The students will learn the fundamentals of digital transformation management and how to apply them in selected industries. The course will help students to reveal how to harness customer networks, platforms, big data, rapid experimentation, and disruptive business models and how to integrate these into the existing business and organization. Using a mix of case studies and group discussions, the aim of the course is to prepare the students for the challenges that the quickly changing digital landscape along with new technologies and increased competition will bring. Gartner's annual Top 10 Technology Trends will be covered in the course.

INS616 - Information and Knowledge Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides an understanding of how Knowledge Management (KM) tools and practices are embedded in larger organizational systems. It prepares students for key roles in the shaping of digital innovation and in the management of the business transformation. Students will learn how to enable knowledge contexts and implement KM integration strategically. The course covers systems thinking, the learning organization, integrated enterprise technologies, developing KM strategy, enabling knowledge, implementing KM, innovation and change across organizational and national boundaries. Case studies and organizational learning practices will ensure the concepts are practically grounded.

INS617 - Modern Methods in Project Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course covers project management's main process groups

and how these process groups interact throughout the life cycle of the project. Project management knowledge areas are examined and linked to industry practices for the successful management of projects. The students will gain fundamental knowledge about modern techniques and methods (such as Scrum, Agile, Kanban, etc.) of successful project management. The goal is to introduce the student to project management skills to identify, assess, and develop solutions to complex IT, business and management problems. The course concentrates on methods and issues in organizing, planning, executing and controlling IS projects. It utilizes proven project management tools and software to complete projects on time and within budget while meeting specifications. Essential concepts, processes, and techniques are applied through the management of a team project, which requires regular progress reports and reviews.

INS622 - Enterprise Information Systems

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides an overview on how organizations use Enterprise Information Systems to run their operations efficiently and effectively and to learn about the critical success factors and implementation strategies that lead to enterprise system success, and to consider the informational, knowledge, and decision-making opportunities offered by enterprise systems. The course also examines the typical cross functional and integrated Enterprise Information Systems modules including manufacturing, supply chain management (SCM), finance, human resource management, and customer relationship management (CRM). Enterprise Information Systems use a single database to integrate business transactions along and between processes, leading to benefits such as efficient and error-free workflows in addition to accounting, management reporting and improved decision-making. The course incorporates a laboratory component using enterprise software applications (e.g., SAP, Oracle, Microsoft Dynamics, or OpenERP).

Pre-requisite: INS604

INS624 - Architecture and Applications of Internet of Things Technologies

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture

This course will introduce students to the concepts, standards, and components of the Internet of Things (IoT) technologies. It will provide students with an overview of the main trends and challenges in the Internet of Things, models and applications. The course will emphasize the implications of the Internet of Things applications and services. It will give both practical examples and general knowledge about the Internet of Things, architectures, models, applications. It will discuss future emerging wireless technologies and their applications in the context of digital transformation.

Pre-requisite: INS612

INS636 - Business Intelligence & Analytics

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This course will expose students to BI fundamental concepts and equip them with practical capabilities to design and implement BI applications. In the first part of the course, the students will learn BI descriptive analysis concepts and be familiarized with BI tools. Students will undertake practical exercise and labs on descriptive statistics and the design and implementation of data warehouse starting from multi-dimensional data modeling, Extraction, Transformation, and Loading (ETL), OLAP query to designing professional dashboards and scorecards for decision making. In the second part of the course, the students will be exposed to BI predictive analysis algorithms e.g. regression and classification and learn analytical (data and text mining) tools and programming languages. They will be equipped with skills for preparing, visualization structured and unstructured data sets for sentiment analysis, prediction and forecasting. They will also be exposed to Big data analytics concepts and tools that benefit business intelligence.

Pre-requisite: INS604

INS646 - Artificial Intelligence for Big Data

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture

This course will expose the students to big data technology

and artificial intelligence algorithms and tools to deal with the large scale digitalization of a society that is hyper-connected for social engagements, businesses, education, healthcare, and many other aspects of daily life. It will introduce fundamental platforms, such as Hadoop, Spark, and other tools, e.g., Linked Big Data. Afterward, the course will introduce several Big Data storage methods and how to upload, distribute, and process different structures of Big Data. Then, it will introduce students to data visualizing and interpreting the results of Big Data Analytics. Building on the Business Intelligence and data analytics course, this course will further equip students with advanced AI algorithms such as Bayesian Network, Genetics Algorithms, and Natural Language Processing to analyze and build big data intelligent systems for recognizing and discovering new patterns and automating large scale systems. Students will then have fundamental knowledge on Big Data Analytics to handle various real-world problems in strategic domains like healthcare, business, security and transport.

Pre-requisite: INS612

INS649 - Enterprise Systems Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the rapid development of e-commerce throughout the world. It examines how e-commerce has changed the way goods and services flow from manufacturers and service providers to consumers, and opportunities therein, for new firms.

INS652 - Supply Chain and Logistic Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides an overview of supply chain and logistics principles and explores information systems' role in the supply chain and logistics functions. The course includes supply chain digitization and business innovation, supply chain strategy and IT choice, manufacturing resource planning (MRP) and enterprise resource planning (ERP), supplier relationship management (SRM), customer relationship management (CRM), transportation and warehousing/distribution management systems, and emerging supply chain technologies.

Pre-requisite: INS604

INS654 - Principles of Blockchain and Its Applications

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This course explores the fundamental principles of the Blockchain technology and how it can be leveraged to enable digital transformation. It will introduce students to the applications of this potentially disruptive technology not only to financial services but also to other sectors such as supply chain management, shipping, and government. It will also address information systems management concerns and the implications of security and governance. Topics covered include Blockchain fundamentals, centralized and decentralized applications, Blockchain ecosystem, applications of Blockchain technologies, smart contracts, Blockchain protocols and consensus, Blockchain development platforms and APIs, cryptography and Blockchain security, Blockchain governance, limitations, and future challenges.

Pre-requisite: INS612

INS655 - Special Topics in Information Systems

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course aims to introduce the students to important issues within the domain of Digital Transformation and Information Systems (IS) not covered by established courses. The students will research and discuss cutting edge topics in information systems. Content will vary, as this course is a means for classes to explore certain IS-related topics in depth.

Pre-requisite: INS612

INS680 - Technological Innovation and Entrepreneurship

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides a framework for understanding the process of creating and managing technological innovative organizations. It focuses on the skills necessary for the planning, analyzing, developing and launching of technologically enhanced entrepreneurial and innovative ventures. The

material covered includes the foundations of entrepreneurship, techniques for creative thinking, and processes for developing, planning and launching a new venture including protecting intellectual property, evaluating markets, developing innovative business models, budgeting, and raising finance. The major piece of assessment is the development of an innovative business plan using innovative technology for a new venture.
Pre-requisite: INS612

INS699 - Research Thesis

6 Credits, 6 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Supervision Thesis

This course involves the conduct of research appropriate to the sub-specialization of the student. Students are required to submit one to two original articles of a standard suitable for publication in peer-reviewed journals or conferences based on research undertaken during the candidate's enrolment at Zayed University. This collection will also include a written plan as well as introductory and concluding documents that situate the paper(s) within the wider context of the research discipline. Through this unit the student will gain essential research skills to support an academic career. (This unit is offered on a pass/fail basis)

Pre-requisite: INS601

LAW601 - Legal Sociology

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course develops students' analytical skills to understand the social, cultural, economic, and international influences on the legal system of their society. It focuses basically on the facts that directly impact the judicial process and is closely related to judges and prosecutors' work in their efforts to achieve ultimate justice following high international standards. Furthermore, it enables students to understand the relationship between law as a social phenomenon and other phenomena in society. Moreover, this course also highlights the role of law in setting societal behavior within a context of rules to achieve peace within society.

LAW602 - Studies in Civil Law

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course enables students to demonstrate detailed knowledge and thorough understanding of the most important cases and topics governing Civil Law and which have not been covered at the Undergraduate level. It also helps students establish a liaison between theory and practicality of Civil Law within the UAE community and to train them on models and practical applications in the domain towards achieving full justice.

LAW603 - Studies in Penal Law

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course provides students with a profound knowledge of the most important phenomena in Penal Law which have not been covered at the Undergraduate level. It also aims to link between Penal Law topics and real-life practice in the UAE. By training students on Penal Law practical cases, whether from judge's, prosecutor's or lawyer's perspective, students will be able upon graduation to exercise legal and judicial work effectively.

LAW604 - Studies in Commercial law

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course allows students to grasp contemporary topics in Commercial Law, which have not been covered at the undergraduate level. It also intends to establish a practical link between Commercial Law, and relevant commercial topics in real-life practice in the UAE. This is achieved by training students to understand and analyze practical cases in the commercial domain so that upon their graduation, they will become fully competent exercise judicial & legal work effectively in their keenness to pursue universal and comprehensive justice.

LAW605 - Studies in Administrative Law

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course enables students to understand the most important emerging issues in administrative law and to train them based

on practical administrative issues. This will help them practice judiciary work efficiently and achieve comprehensive justice.

LAW606 - English for Legal Purposes

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course aims to provide students with a general knowledge of the fundamentals of legal English vocabulary. It presents basic legal English terminology on the concept of law, the judiciary, and the various branches of law.

LAW607 - English Legal Studies

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course provides students with a broad knowledge of the fundamentals of legal English vocabulary. It teaches students basic legal English terminology on the concept of law across its various branches (public and private law, constitutional law, civil law, criminal law, administrative law, commercial law, and public international law). It presents the general theory of law: sources of law, legal personality, and types of legal rights. This course also provides an overview of universally recognized human rights.

Pre-requisite: LAW606

LAW608 - Studies in International Humanitarian Law

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course enables students to study and analyze International Humanitarian Law topics, as one of the most important branches of Public International Law. It introduces international legal parameters relating to the conduct of war and hostilities: Law of Armed Conflict, and focuses on the role and efforts of the UAE in providing humanitarian assistance to affected countries during armed conflicts.

LAW610 - Ethics of Judiciary and Lawyers

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course identifies the ethical attributes for judges and lawyers and aims to prepare, legal cadres that adhere to ethical foundations in public and private along with, the litigation process. It sheds light on the Islamic rules and values of the judiciary and the legal profession and provides a combination of Islamic experience and contemporary international best practices, regardless of cultural and religious backgrounds.

LAW611 - Studies in Criminal Procedural Law

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course provides students with a profound knowledge of the most important aspects of Criminal Procedure Law, that have not been covered at the undergraduate level. It also aims to link between the criminal procedure law subjects and real-life practice in the UAE. Through training students on Criminal Procedure Law and practical cases, whether from the judge's or prosecutor's lens, students will be able upon graduation to exercise legal and judicial work effectively to establish complete justice.

Pre-requisite: LAW603

LAW612 - Studies in Civil Procedures Law

3 Credits, 3 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course enables students to understand the most based on cases and issues of Civil Procedural Law within the UAE community. It aims to train students on models and practical cases under Civil Procedures Law, so they will be able upon their graduation, to practice legal and judicial work effectively towards establishing comprehensive and full justice.

Pre-requisite: LAW602

LAW613 - Studies in Personal Status Law

2 Credits, 2 Lecture, 0 Lab, 0 Other hours
Schedule Type: GR Lecture

This course presents a high-level overview of key issues on the principles and rules of Islamic Jurisprudence (Fiqh) and Shari'a (such as the rule of "No harm, no foul"). It examines the correlation of Jurisprudence/Shari'a with Personal Status Law. It is intended to form graduates with strong legal skills and contemporary vision and practicum in the field.

LAW620 - Evidence and Expert Role in Judicial Actions

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course is intended to engage students in the active pursuit of knowledge and understanding of criminal and civil scientific evidence processes. It also elaborates on the interpretation of legal and judicial principles, and the Judge's power to discern all scientific pieces of evidence presented (such as fingerprint and electronic evidence), and demonstrates the role of judicial expertise in the field of criminal and civil evidence and examination of expert reports.

Pre-requisite: LAW611

LAW621 - Legal Research Methodology

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course aims to enable students to become familiar with the methods and approaches to legal scientific research. Students will hone their research and writing skills across various challenging legal topics research and need to present their research outcomes at a high standard of coherence, clarity, authenticity, and persuasion while adhering to the controls and standards of scientific integrity. Furthermore, the course aims to provide students with the ability to research scientific resources in both Arabic and foreign languages.

LAW622 - Cases Analysis for Judicial Decision Making

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course enables students to discover the factors and determinants behind the judge's decision-making process. The course also prepares students as judges, prosecutors and legal professionals, and determines their decision-making methods to achieve justice while practicing judicial work.

Pre-requisite: LAW611 and LAW612

LAW623 - Economics of Justice

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course mainly provides students with a broad knowledge of the economics of justice, ways to improve the efficiency of court administration, develop justice aides, understand functions of judges, lawyers, notaries, and judicial assistants, and the most efficient methods in resolving and settling disputes. This will be achieved by training students on practical models and applications so that upon their graduation, they will be ready to practice judicial work effectively to achieve comprehensive and global justice.

LAW624 - Alternative Disputes Resolutions

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course aims to provide students with theoretical knowledge and practical experience and skills to understand the different methods and means of settling judicial disputes in non-traditional ways. Furthermore, the course focuses on alternative ways of resolving disputes, terms of recourse, and their role in achieving justice.

Pre-requisite: LAW612

LAW625 - Legal Reasoning and Argument Persuasion

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course aims to develop students' strong legal knowledge and analytical skills in judging lawsuits, building strong arguments, and drawing sound conclusions for all involved parties. Legal reasoning will help students use formal logic and other methods of exposition, and give grounds (reasons) for one's statements to argue persuasively, or to engage in discourse.

LAW626 - Advanced Studies in Financial and Tax Laws

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides students with knowledge in public finance and tax legislation, through demonstrating the concept of public finance and their governing principles in comparative legal and economic systems, especially public finance sources public revenues, expenditures, and the consequent role of the regulatory institutions, such as Central Bank and its role in regulating the banking system, and the Securities and Commodities Authority, and its role in supervising the capital

market, also the Accounting Office and its role in overseeing the finances of executive agencies in the UAE. Moreover, the course provides in-depth study on the comparative tax systems and Islamic Law, through several axes, the most important being the concept of tax policies and mechanisms, and a study of the tax burden and related problems, with a focus on practical applications of tax legislation, such as value-added tax, income tax, and methods of estimation, along with the methods of resolving disputes.

LAW627 - Studies on Labor Disputes

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course enables students to understand labor disputes and legal settlement procedures at courts. It also aims to establish a correlation between theory and practice in connection with the UAE labor market, by training students on practical and applicable models in the field of settling labor disputes.

LAW640 - Legal & Judicial Writing

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course aims to enhance students' legal writing skills in general, and judicial writing in particular, pertaining to Civil and Penal cases. Students will gain familiarity with legal writing and will learn to master the conventions and techniques of writing judicial contexts and to craft their rhetoric, persuasive, and rigorous writing experience. Moreover, students will learn how to scrutinize all types of legal documents presented before courts of all instances and governing bodies, in terms of accuracy, validity, and factuality. in terms of accuracy and validity

Pre-requisite: LAW611 and LAW612

LAW641 - Legal Skills

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course aims to trains students on the skills required to practice various legal work, through theory and practice, by honing public speaking and oral advocacy skills, critical thinking, investigation, interrogation, and arguments.

Pre-requisite: LAW611 and LAW612

LAW642 - Logic and Legal Reasoning

2 Credits, 2 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course develops students' mental capabilities through learning the basics and methods of sound logical reasoning, and practicing them in dealing with legal cases which must be analyzed logically in order for the judge to reach a legally correct and logically persuasive verdict. Students will learn how to understand legal cases deeply and justify verdicts logically.

LAW699 - Master Thesis in Legal & Judicial Studies

6 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Supervision Thesis

Students are expected to write their thesis at the last semester of the program on a topic of their choice under the mentorship of a faculty member at LSD and in compliance with ZU policies and LSD regulations & procedures.

Pre-requisite: The student should complete all program courses

LAW663 - The United Arab Emirates: Political and Administrative Structure

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the political and constitutional structure of the United Arab Emirates. Topics include: general theoretical bases of constitutional systems and forms of governments; the structure of the U.A.E. constitution; the formation of the federal system of the U.A.E.; federal and local powers; legislative, executive, and judicial powers; the working of major ministries and federal institutions such as the Federal National Council and the judicial system. Topics covered also include checks and balances between federal and local institutions, human rights in the U.A.E. constitutional system, and the theory of separation of powers. The course also explores the structure of major institutions dealing with monetary and trade relations at the federal and local levels.

MGT620 - Capstone Seminar in Global Business Strategy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides a bridge between the taught components of the masters program and its strategic application.

MGT660 - Entrepreneurship

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course covers the essentials of planning a new venture and financing it. It encourages student teams to develop and present a business plan for a new venture.

MGT664 - Global Business Strategy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course encourages student teams to craft and implement strategies for multinational corporations in a competitive global environment using a computer simulation model.

MGT669 - Cross Cultural Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores national and organizational cultures and focuses on the meaning of culture globally and the management of cultural differences.

MKT680 - Marketing Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course focuses on managerial decision making in marketing and the use of market data and analysis. Emphasis is placed on the inter relationship of marketing concepts, formulating and implementing marketing strategies, policies and systems of control.

OPR667 - Operations Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course focuses on operation functions within organizations with emphasis on the service environment. It charts decision making techniques including statistical analysis and technological applications, strategy and links to other organizational functions.

POL614 - The Middle East

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides students with a graduate level understanding of the economic, political, and social problems affecting Middle Eastern countries. It begins by defining the Middle East through examining its historically continuous formation, with emphasis on the impacts of anti-colonialist movements and post-independence developments. The second part studies the impact of ideas and their translation into action, with a focus on religious, cultural, and intellectual foundations of political interactions. The third part shifts its focus to the international economic system and its impact on the Middle East. The fourth part highlights social actors and agents of change, notably youth, women, media, and civic organizations. The fifth part identifies routes to change, whether through political violence or democratization, conflict or cooperation.

POL615 - Africa

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides a graduate level study of the history and ethnography of colonial and postcolonial African societies. Special attention is given to social and political issues affecting modern Africa. In particular the course explores the significance of social structure, kinship, and social security networks; economic systems across the continents; gender relations; ethnicity, ethnic conflicts and foreign intervention; ecology and natural resources; influence and interests of other nations, and the impact of the AIDS epidemic and other health issues.

POL616 - East Asia

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides a graduate level study of the history and contemporary East Asian societies, mainly China, Japan and Korea. The course will examine International Relations in the region and the role of national and international forces in shaping contemporary affairs.

POL617 - Latin America

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides a graduate level study of contemporary Latin American politics. The course will survey major topics regarding political transformations, social changes, and economic developments in Latin America. Links between Latin America and other regions, in particular the Middle East, will be an essential part of the course.

POL618 - Modern Turkey

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

The course in Modern Turkey will begin with an introduction to the last days of the Ottoman Empire, the First World War, and the Treaty of Sèvres, each of which will help the students to understand the establishment and development of the Modern Middle East in general. The course will move on to explore the Turkish War of Independence, the Treaty of Lausanne and the creation of the modern Republic of Turkey, which will provide the students with a foundation for understanding modern Turkey. The course will proceed to analyse the history of the Republic of Turkey from its establishment to the present and will include important aspects such as Kemalism, the politics of Turkish identity, and the tension between secularism and political Islam, all of which have played a formidable role in the direction of Turkish development. The course will also explore significant diplomatic issues such as Turkey's application to become a member of the European Union and its role in Syria.

POL623 - International Relations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores international society and foreign policy, with reference to both national and supranational governments, and non-governmental organizations active in the conduct of international affairs. After an overview of game theoretic approaches and classic IR theory, participants explore constructivism and non-positivistic approaches to the subject that developed in the late twentieth century. Throughout, the aim of the course is to present the arguments for, and utility of, competing schools of thought concerning the analysis of international relations as they relate to the practice of diplomacy, while making methodological issues more precise and concrete with reference to empirical cases and foreign policy issues.

HIS633 - Diplomatic History: the Shaping of Contemporary International Affairs

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the evolution of the international system in the twentieth century and its effects in the shaping of current international affairs. The era of Empires and the dynamics of colonialism around the world open the course, which continues with the onset of the Great War (1914-1918). Followed by the emerging confrontation between Fascism, Liberal Democracy and Communism. The Cold War and the collapse of European empires follow WWII. After the study of the collapse of the Soviet Union, the course will explore new diplomatic challenges and opportunities, and the emergence of new centers of global power.

POL643 - International Political Economy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the intersection between politics and economics. It reviews the development of major economic institutions since the end of WWII in order to understand the different patterns of accumulation and the corresponding configuration of international institutions and markets in each phase of development. As such, the course examines how the architecture of international trade and finance developed through the 1960s and 1970s, with a view to understanding the implications of these structures. There is a special focus on the challenges and opportunities facing the Gulf Cooperation Council economies in the 21st century.

POL653 - Public Diplomacy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides practitioners of diplomacy and international affairs with the theoretical knowledge and hands-on skills to be effective international communicators. The first part of the course looks at the principles behind a communications strategy and the development of a communications plan in different contexts and media outlets. The course then proceeds to explore how to launch a communications campaign in the written and audiovisual media; how to deal with reporters, prepare press releases; and handle press conferences. Practical training involves in-class workshops on public speaking techniques, handling of interviews, use of photography and video, among others.

POL673 - International Relations of the UAE

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course examines the political, economic, and social forces involved in shaping the United Arab Emirates foreign policy. Divided into three parts, the course starts with a survey of the history of the U.A.E. foreign relations since the formation of the Union in 1971. This is followed by an examination of the role of domestic institutions, ideas, and local actors that shape the U.A.E. The final part of the course focuses on the legal structure of the Ministry of Foreign Affairs, and a discussion on the U.A.E. position vis-à-vis major international issues such as the environment, international security, energy, and human rights among others. The course is conducted in Arabic/English.

POL683 - Politics of Oil

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides a graduate-level study of contemporary politics of oil by discussing the causes, dynamics, actors and implications of this global quest for oil. It begins with a review of the current oil market and then identifies the major players involved in the oil industry, including consumers/producers and governmental/non-governmental organizations. The course also focuses on the analysis of the complex relationship between oil and international politics, oil and economic development, oil and social development, as well as oil and environmental activism. It is a highly interactive course and features lively debates grounded on real-world case studies of current issues of global, regional and national interests.

POL693 - Security Studies

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the redefinition of security in the 21st century. Offering both a theoretical and policy-oriented approach, it studies traditional theories of security and security regimes, the proliferation of weapons of mass destruction, and international terrorism. However, departing from a state centered view, the course explores threats to security derived from local and global forces such as ethnic, sectarian, and religious conflicts, global migration, transnational crime, and humanitarian crisis of natural or human origin. This course could also run as Special Topics course with thematic focus on topics such as: Terrorism, Failed States, Humanitarian Intervention, and Migration.

PSY600 - Cultural Competency, Ethics And Professional Practice In Psychology

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course looks at cultural competency and ethics as integral elements of professional practice. The course covers the ethical issues inherent in the practice of psychological related professions (e.g., Counseling, Psychotherapy, Assessment, Research, consultation and Supervision and Training). It is designed to provide students with an understanding of ethical principles and standards concerning psychology related professions. Students will also learn about how their own values and attitudes and biases can impact their practice. Students will also learn about what constitutes ethical dilemmas that can arise in the practice of psychology, awareness of and understanding of the decision making steps to take when addressing ethical issues. This course specifically addresses issues of ethics and cultural competence, including the development and provision of culturally competent services and ethical issues specific to

the UAE society. Students will develop knowledge and skills to prepare them to practice ethically during their internship and beyond.

PSY610 - Psychological Disorders

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores psychological disorders, their symptomatology, prevalence and course. It also examines the various ways that psychopathology is conceptualised, and the implications this has for the treatment and prevention of psychological disorders. The course will critically examine DSM-5 categorisation and classification of psychiatric phenomena, contrasting this traditional nosological approach with newer symptom centric and transdiagnostic perspectives. The course will explore case conceptualisation and biopsychosocial theories of aetiology, maintenance and relapse in the domain of psychological disorders. Uniquely, the course will also consider religio-cultural factors pertinent to the conceptualisation of mental health in the context of the United Arab Emirates and the broader Arabian Gulf region

PSY620 - Theories and Models of Psychotherapy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

The course critically evaluates cognitive/metacognitive, psychodynamic, social and cultural models of disorder and the psychotherapeutic interventions each model engenders. Exploring the theoretical basis for techniques and modalities of psychotherapy this course exposes students to many of the most effective interventions used by contemporary clinical and counseling psychologists. Students will understand the similarities and differences between interventions and how those differences arise from differing underlying theoretical models. The course will trace the rise of psychodynamic models through to behavioural and cognitive approaches, with a final focus on the newer - third wave - approaches to prevention and intervention.

PSY621 - Professional Development and Competency to Practice

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course aims to develop the students' understanding of the professional aspects of practicing psychological counseling. The students will be introduced to the theoretical, legal and ethical basis for qualifying for licensure to practice in the United Arab Emirates (UAE). The students will become familiar with the latest licensure guidelines, codes of conduct and ethics, regulations and procedures for practice and maintenance of licensure issued by the Department of Community Development (DCD, Abu Dhabi) and Community Development Authority (CDA, Dubai), as well as any other relevant federal guidelines. The students will become aware of the centrality of continuous learning and continuous professional development as necessary conditions not only for maintenance of licensure, but also to ensure optimal professional performance and client support. The students will also become aware of important ethical and practical issues that arise when providing counseling services to the culturally-diverse population in the UAE. In addition, the students will also become familiar with the concept and practice of professional supervision (peer and line-manager), and how it forms a vital part of reflexive, aware, renewal- and development-oriented psychological practice. The course will prepare the students to launch their careers by solidifying and expanding their understanding that personal skill development, self-care, reflexivity are inextricably linked to ethical successful practice of counseling psychology.

PSY630 - Psychological Assessment: Tests and Measurement

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This module, will identify the specific issues in the assessment of psychological disorders, and emotional and mental health problems in adults. Students will understand basic approaches and principles of psychological assessment and develop skills in the use of different assessment modalities, such as clinical interview, observation and psychological testing. Students will be familiarized with the administration, scoring and interpretation of several commonly used instruments for the assessment of different aspects of disorders and functioning. At the end of the course, students will understand and be

knowledgeable about the multi-method, multi-source, multi-setting approach to assessment of adults with common mental health problems also factoring in cultural context.

PSY635 - Cognitive Psychology and Neuroscience

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores Cognitive Psychology and Neuroscience with a focus on their intersection with Psychopathology as relevant to Counseling Psychology. It examines the neural mechanisms supporting a range of cognitive processes (e.g., attention, memory, reasoning and decision making) and explores the changes in cognition observed in adult populations experiencing specific mental health problems or symptoms. The course also introduces students to cognitive neuroscience methods (e.g., structural and functional magnetic resonance imaging, electroencephalography, transcranial electrical stimulation, transcranial magnetic stimulation, positron emission tomography) utilized in clinical settings and research.

PSY640 - Foundations of Psychological Interventions: Interviewing, Counseling & Prevention strategies

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

Building on the theoretical basics explored in PSY520 (cognitive, behavioural and person-centered approaches), this course covers topics related to several psychological intervention approaches in counseling psychology, with a strong emphasis on evidence-based practice. It aims to provide the academic, practical, and research skills needed to further professional development in counseling psychology, psychotherapy, and adult mental health-related contexts. The course also aims to deliver a range of therapeutic strategies and intervention skills using different approaches to counseling and psychotherapy and acquire the knowledge and skills required to examine diverse prevention and counseling strategies critically and interventions. Students will develop a clearer understanding of the implications and applications of underlying theoretical approaches, methods, and skills for these strategies and be given opportunities to experience and practice components of interventions within a cultural context. This course further aims to enable students to critically assess and undertake research relevant to interventions and prevention in mental health and psychological well-being. Knowledge and skills learned in this course will also help prepare students for the practicum/ internship.

Pre-requisite:PSY 620

PSY641 - Special Population Focus: Public Health

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course will deepen students' knowledge and understanding of the contemporary public health issues and challenges, both in theory and practice. Students will gain knowledge and understanding of frameworks and models explaining a health behavior change on individual and interpersonal levels as well as in the broader community setting. Students will have the opportunity to develop their knowledge of major public health problems and the determinants of health and disease. Students will be trained to acquire and practice their skills of designing, implementing and evaluating a public health intervention program. With the help of the problem-based learning techniques, students will be encouraged to think critically and to work their way from problem to solutions while working systemically in small teams throughout the course.

PSY655 - Advanced Research Methods

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course will provide students instruction in various advanced quantitative and qualitative research methodologies used in psychology. The course will be conducted following two related and complementary themes, critical thinking and research methodology. Students will be involved in formulating relevant research questions, implementing appropriate research methodologies, and in becoming critical consumers of the existing research literature. The course will help students sharpen their critical thinking skills, enabling them to critically appraise and meaningfully contribute to the increasingly

global evidence base. Students will learn how to choose the most suitable research design and statistical tests for a study considering the research question of a study. Students will also learn to use statistical software programs such as SPSS and R to analyze data and will learn how to interpret and report research findings. The course will support students to further develop skills which will be critical for their Masters project/thesis and for their professional work after graduation.

PSY660 - Motivational interviewing, Group and Family Counseling and Psychotherapy

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course will introduce students to the theory, principles, and skills of Motivational Interviewing (MI) as an evidence-based counseling approach designed for behavior change, applied in the context of groups and families. Understanding the principles underlying group counseling and family counseling will provide students with the opportunity to explore a range of learning activities that contribute to developing the skills needed to design interventions in a variety of settings and from a life-span perspective. The students will have the opportunity to practice the counseling skills required to work with families and groups in counseling. This course will prepare students for internship as well as for their career.

PSY671 - Advances in Positive Psychology, Prevention, and Community Wellbeing

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

Historically, psychology has placed great emphasis on the identification and treatment of psychological disorders. Recently, the field has broadened its perspective to include a focus on well-being, happiness and personal fulfillment. This course examines the scientific research and theory of psychological wellbeing and happiness. Topics include the nature of happiness, gratitude, the mind-body connection, the biological basis of positive emotions, emotional intelligence and the characteristics of successful relationships and healthy communities.

PSY675 - Addiction Preventions and Interventions

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the diagnosis, assessment and treatment of substance use disorders and behavioral addictions. Particular emphasis is placed on evidence-based approaches to treatment and recovery, with students gaining hands-on experience of CBT for addiction as well as motivation enhancement therapy. This course will provide students with a deeper understanding of psychological and neurobiological models of addiction, and also considers the role of public policy in responding to addiction as well as future directions in addiction treatment and research.

PSY681 - Special Topics: Mindfulness and cognitive-based approaches to Trauma and Grief

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This is a special topics course, where various areas of relevance to counselling psychologists will be given extra focus to enhance the student's ability to practice and undertake research across a wide range of mental health problems and difficult life issues. This course will explore etiological-models, assessment techniques and treatment modalities for trauma and grief. The core practical focus is on second and third-wave evidence-based approaches to helping people overcome/process complicated grief and psychological trauma, leading to improved mental wellbeing.

PSY690 - Counseling Internship I

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Graduate Internship Supervision

This is the first period of supervised professional experience in the form of a clinical internship for all students. In total, the first clinical placement requires 300 hours of professional experience in the counselling field, or other suitable external placement setting. Students work under the supervision of experienced clinical/counseling/health psychologist supervisors. This internship provides an opportunity to develop

counseling psychology competencies to a level consistent with expectations for this stage of training as a counseling psychologist.

PSY695 - Counseling Internship II

3 Credits, 0 Lecture, 0 Lab, 0 Other hours

Schedule Type: Graduate Internship Supervision

This is the second period of supervised professional experience in the form of a counselling internship for all students. In total, the first clinical placement requires 300 hours of professional experience in the counseling field, or other suitable external placement setting. Students work under the supervision of experienced counselling clinical or health psychologists and academic supervisors. This placement provides an opportunity to develop some core counseling competencies to a level consistent with expectations for this stage of training as a counselling psychologist. In contrast to internship one, internship two provides a greater emphasis on client-facing experience in the form of assessment, evaluation, intervention and psychoeducation.

Pre-requisite: PSY 690

PSY699 - Master's Thesis

6 Credits, 0 Lecture, 0 Lab, 6 Other hours

Schedule Type: GR Supervision Thesis

The primary focus of this course is for students to conduct and produce an independent research-based thesis. Students will acquire and apply essential theoretical knowledge surrounding research design/methods, a range of psychometric assessments as well as problems with various measurements used in a counselling setting. The course has been specifically designed to allow students to individually demonstrate competence at Master's level in selecting a relevant research topic, integrating knowledge from multiple courses, searching a variety of databases to identify relevant scholarly literature and demonstrating critically evaluation, handling data appropriately, practical activity planning and time management, as well as producing a high quality thesis which is publishable. Students will be assigned a range of readings to complete which are aimed at providing a summary of essential aspects and topics related to the development, evaluation as well as the conduct of counselling psychology research. Moreover, students will understand the essential elements of proposing and publishing an empirical study including research question formulation, hypotheses generation and testing, study design, methods and procedures. Particular attention will be given to various types of quantitative, qualitative and mixed methods research designs which are common in the field of counseling psychology. Throughout this course, students will also acquire knowledge about research validity and methodological issues, they will acquire a deeper understanding of ethical considerations and adhere to these guidelines when conducting their research, and they will apply their extensive knowledge of data analysis strategies. Research topic selection will take place in consultation with an academic supervisor, and a suitably qualified field supervisor, if necessary. The research topic must be aligned with the program and, where possible, with the concentration the student is undertaking. Students will be encouraged to undertake novel research that, where applicable, is sensitive to the socio-cultural context of the United Arab Emirates and aligned with the national needs. These are expected to be of appropriate complexity level, and should potentially serve as a basis of further research and practice specialization. The major milestones of this course include: 1) students will produce a thesis proposal, including a literature review section, a research question, a testable hypothesis as well as a detailed methods section; 2) students will present their proposal in a meeting to faculty and peers to gain feedback; 3) students will conduct their study following faculty approval of the procedures and methods described in the proposal and ethical approval from the research ethics committee; 4) students will independently analyze the data they have collected and complete their thesis draft which will be reviewed by the supervising faculty who will provide feedback for each section of the students report, allowing them to modify and improve it prior to submission; and 5) students will present their thesis to faculty and peers.

SEC508 - Linux Security

3 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: GR Lecture

This course focuses on securing computers running the Linux operating system in a networked environment. Topics covered include user account security, file system security, and more emphasis on network security including packet filters and firewalls. Advanced security technologies such as Kerberos may also be covered as time allows. Students will learn how to: audit existing Linux machines; administer and manage a Linux system securely in a networked environment; secure commonly deployed services; and how to securely deploy new services. Any Linux distribution can be used in the lab for demonstrating the concepts covered in this course.

Pre-requisite: SEC505

SEC535 - Advanced Cyber Forensics

3 Credits, 3 Lecture, 3 Lab, 0 Other hours

Schedule Type: GR Lecture

This course discusses advanced topics in cyber forensics. The students are also required to complete a research project. The students in this course will gain practical and research skills necessary to perform advanced cyber forensic investigations. The main topics in this course are: Anti-forensics, e-mail forensics, network forensics, and volatile memory forensics. These advanced topics will aid students in having a more complete understanding of the cyber forensics domain.

Pre-requisite: SEC530

SEC570 - Advanced Network Security

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This project-based course aims to provide graduate students with an understanding of advanced Network Security concepts in the framework of complete Information Security projects. Students will learn and apply the acquired knowledge throughout the course to further their network security information base. The course will emphasize up-to-date security frameworks and technologies for the provision of secure network settings for enterprise security.

Pre-requisite: SEC515

SEC579 - Risk Assessment and Vulnerability Analysis

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

The course further develops the identification and application of information-risk-management models by tracing the entire life-cycle of information system security planning evaluation, risk assessment, security architecture, incident detection, and responses to vulnerability and threats. Legal, ethical, and business factors that motivate and constrain the definition and implementation of information security management systems are addressed. The course will emphasize current information risk-management strategies and techniques and the challenges for both business and technical personnel to achieve the cost-effective mitigation of security vulnerabilities and threats throughout the enterprise.

Pre-requisite: SEC520

SEC595 - Independent Study

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: Independent Study (Individual Study)

This course provides students with an opportunity for an independent study that explores (at an advanced level) a topic of interest in cyber security. In an independent study course there are no lectures and the student is expected to take responsibility for the investigation and completion of a significant topic/project (including a final report) under the direction and supervision of a faculty member.

SEC596 - Cyber Security Project

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This is an end-of-program project course in which a student completes a substantial "real-world" cyber security project that may be provided by sponsors drawn from both private and government organizations in U.A.E. Projects are developed under the direction of the course instructor and may include members of the sponsoring organization. The execution of each project encompasses the following phases: requirements analysis, design, implementation, documentation, and release.

SEC597 - Special Topics in Cyber Security

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

The purpose of this course is to provide an opportunity for an in-depth treatment of a cyber security topic beyond what is covered in existing courses for the M.S. in Information Technology. Typically, this course would provide students the opportunity to study an evolving/hot new topic area related to studies in cyber security.

SEC599 - Independent Research

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Supervision Project

The purpose of the practicum course is to give you an opportunity to apply what you have learned in the courses you have taken in this program. You will identify an advanced research topic or industry/faculty project that solves a significant problem related to cyber security. You will then research that topic or fulfill the requirements of the project you identified and compose an original paper to document your findings. Finally, you will present your work to interested Faculty and fellow students. Here are some general guidelines: Working with a faculty advisor, a student develops a written research proposal, according to the College proposal guidelines. The proposal must be approved by the faculty advisor. A student works on the research project in an independent study mode, but in consultation with and the oversight of the faculty advisor. The student must submit a final report that reflects the research work that they have conducted for this course. The final report must follow the College guidelines for final reports. The faculty advisor must approve the final report in order to achieve a passing grade for the course.

SEC601 - Research Methods

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course equips graduate students with the necessary skills and knowledge for engaging in research projects in the IT discipline, in general, and cybersecurity, in particular. The course covers common research approaches (observational, theoretical and experimental) as well as the rapidly emerging Design Science Research (DSR) method. Issues around trust and reliability as well as legal, social, ethical, validity, and professional aspects of cybersecurity research are explored and critically evaluated.

SEC605 - Information Security

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course advances a critical analysis of Information, computer and network security principles and practices. Topics include technical solutions and management issues around computer security, network security, firewalls, cryptosystems, authentication, access control, public key infrastructures, Web security, and common attacks such as viruses, Trojans, worms and memory exploits. Non-technical aspects including ethical, legal, social, standardization and professional issues are also introduced.

SEC610 - Information Security Policy, Ethics and Law

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

The course covers the roles, issues, and impacts of computer-based information systems in national and international arenas, focusing on privacy, equity, freedom of speech, intellectual property, and access to personal and governmental information. The course presents professional responsibilities, ethics, and common and best practices in information use. Cybercrime is discussed with associated issues in relation to local and international laws.

SEC615 - Network and Internet Security

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

The course covers advanced network and Internet security. It discusses various network and Internet security threats and, based on recent research, presents techniques and solutions for achieving security. Topics include network attacks and defenses, network protocols, web security, and security of mobile devices. Important aspects of operating systems security are also covered.

SEC620 - Information Security Management

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course presents the essential concepts of information security management and the components of an information security management program. It explores commonly used frameworks and methods used for addressing today's information security needs in organizations. The course covers the business and professional environment and its relationship to information security governance; strategic and contingency planning for security; the central role of policy in information security; risk assessment and risk mitigation strategies; components of the dominant information security management models (in particular the ISO27000 series).

SEC630 - Cyber Forensics

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course covers the core concepts in digital forensics with focus on cybercrime investigation processes and procedures for collecting and reporting digital evidence to be presented in a court of law. Students will learn how to identify, acquire, preserve, analyze, and report evidence from common high-tech crimes using specialized tools in a forensically sound and trusted manner.

SEC638 - Small Scale Digital Device Forensics

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This course advances the knowledge of students in digital forensics and is concentrated on small scale digital devices. This course provides the students with the skills necessary to retrieve digital evidence from mobile devices in a forensically acceptable manner. Primarily, the students will learn about the ontology of small scale digital devices. The students will also learn about the wireless networks and technologies associated with the devices, and how they can aid in small scale digital device investigations.

Pre-requisite: SEC530

SEC640 - Database and Enterprise Application Security

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This course offers both theory and practice relevant to providing effective security in enterprise database management systems. Conceptual frameworks for discretionary and mandatory access control, data integrity, availability and performance, secure database design, data aggregation, data inference, secure concurrency control, secure transaction processing, and database auditing are studied. Students will implement security features using triggers, views and stored procedures as well as contemporary features such as Virtual Private Databases.

Pre-requisite: SEC505

SEC645 - Penetration Testing and Advanced Hacking Techniques

3 Credits, 2 Lecture, 2 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This course covers advanced penetration-testing techniques and tools that ethical hackers and Information security specialists use to protect communication and computer networks. The course provides a structured knowledge base for preparing security professionals to discover vulnerabilities and recommend solutions for tightening network security and protecting data from potential attackers. Topics include reconnaissance, footprinting, scanning, enumeration and system hacking.

Pre-requisite: SEC515

SEC675 - Cyber Criminal Behavior

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course focuses on the challenges related to the emergence, prevention, and control of cybercrimes. It uses a multidisciplinary approach so that students can fully appreciate the complex nature of cybercrime and cybercriminal behavior. The course ties together multiple disciplines - Information technology, the sociology/anthropology of cyberspace, computer security, deviant behavior, law, criminal justice, and risk management.

SEC699 - Research Thesis

6 Credits, 0 Lecture, 0 Lab, 6 Other hours

Schedule Type: GR Supervision Thesis

This course involves the conduct of research in the Cyber Security domain. Students are required to submit one to two original articles of a standard suitable for publication in peer-reviewed journals or conferences based on research undertaken during the candidate's enrolment at Zayed University. This collection will also include a written plan as well as introductory and concluding documents that situate the paper(s) within the wider context of the research discipline. Through this unit the student will gain essential research skills to support an academic career.

SPC611 - Advanced Writing for Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores writing for mass communication industries. Students acquire practical writing skills for such fields as public relations and journalism at the highest levels of those professions. As such, this is an advanced writing course for the communication practitioner.

SPC612 - Strategic Public Relations

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course develops skills in strategic public relations planning and management. Students explore how to develop public relations strategies and create brand stories by focusing on research, objectives, strategies, tactics and measurement.

SPC614 - Internal Communications

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course provides an in-depth look at communication effectiveness; how to use research to inform internal communication strategies; and change management communication theories. Students explore topics such as: internal communication effectiveness, audit methodologies and application, change management theory, organizational communication and developing organizational identity.

SPC615 - Crisis and Risk Management Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course focuses on the role of public relations in crisis and risk communication strategies and management; emphasizing practical application of theories, research, case approaches of crisis and risk communication; tactics of crisis and risk communication plan; pre- and post-crisis planning; crisis communication management and dealing with media, and image restoration.

SPE615 - Exploring Diversity

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

The course explores human diversity and provides application of best practice in special and inclusive education services, within national and international cultural contexts. Characteristics including cognitive, physical, social, and emotional needs are addressed while examining a range of abilities and disabilities. Societal attitudes towards diversity are analyzed within a theoretical framework, and implications for people with diverse learning needs are critically examined.

SPE623 - Learning Difficulties: Issues and Practices

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course analyzes historical and current definitions of Learning Difficulties, and explores methods of identifying these students. Candidates will explore the characteristics and diverse needs of learners who experience difficulties across curriculum areas. There will be a focus on critical analysis of learning theories and current research on evidence-based practices designed to improve the performance of people with learning difficulties with particular emphasis on positive supports and meta-cognitive strategies, including the use of technology to support and evaluate student learning.

Pre-requisite: SPE615

SPE626 - Behavioral Difficulties: Issues and Practices

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the cognitive, physical, social, emotional and cultural needs of learners with specific behavioral issues and the etiology of a range of behavioral difficulties is analyzed. There is a focus on current research on validated interventions designed to improve the behavior and social skills of people with behavioral disorders. Particular emphasis is placed on positive behavioral support and on behavioral change strategies. Other core components of the course include the exploration of social skills training for students with behavioral challenges as well as exploration of approaches to increase the resilience of at-risk student populations.

Pre-requisite: SPE615

SPE634 - Language Development and Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course addresses the development of communication and language acquisition skills in children from birth through primary age. Topics will include informal/functional communication and language assessment procedures. The impact of vision, hearing, and other senses on communication is also examined. Students will analyze current research and explore methods for identifying and addressing communication and language delays with special attention paid to linguistically diverse children whose language development varies from typical developmental range. There will be an emphasis on activities that foster language development supportive of most current approaches.

Pre-requisite: EDP610 and SPE626

SPE638 - Identification and Assessment of People with Behavioral and Learning Difficulties

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

The course offers a critical perspective of the principles and models for assessment within the context of special education. Topics to be addressed include legal and cultural issues, the formal assessment process, and strategies for monitoring academic progress. The course prepares learners to identify learning and behavioral disabilities, including informal assessment strategies and administration, scoring and interpretation of standardized assessment instruments. In addition, the course focuses on the use of assessment data to develop Individual Educational Program (IEP) and evaluate the effectiveness of such programs within the UAE context.

Pre-requisite: SPE615

Co-requisite: EDC630

SPE644 - Policy, Planning & Management of Special & Inclusive Education

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

Within the context of the UAE legal framework and policy pertaining to special and inclusive education, this course fosters the ability to critically analyze key concepts and systems in effective planning and management for inclusive education. Students study the impact of equal academic and social opportunities of specific aspects of educational provision, strategic allocation of resources, and partnership with parents and the community in empowering supportive change towards a more inclusive society.

TCC621 - Strategic Planning and Development

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course explores the integration of theoretical concepts, techniques and applied research methods used in the strategic development, planning, execution, and evaluation of effective communication campaigns for specific organizations.

TCC622 - Tourism Communication

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture and Lab Combined

This course focuses on the application of the uses of integrated marketing communication in both traditional and nontraditional media to create awareness, recall, and brand recognition of various types of tourism campaigns.

TCC625 - Tourism in the UAE and MENA Region

3 Credits, 3 Lecture, 0 Lab, 0 Other hours

Schedule Type: GR Lecture

This course specifically examines tourism in the United Arab Emirates and in the Middle East and North Africa region. The course further explores current and future trends and unique components of the destination. Emphasis is placed on the planning and management of tourism in the region.

Faculty Qualifications

Aaina Menon, Master of Arts (M.A), New York University
 Aamena Bulhooon, Doctor of Philosophy (Ph.D.), University of Pretoria
 Abdallah Tubaishat, Doctor of Philosophy (Ph.D.), Illinois Institute of Technology
 Abdel Aaziz Baha, Doctor of Philosophy (Ph.D.), Cadi Ayyad University
 Abdelaziz Galal, Master of Arts (M.A), University College London
 Abdelrahman Alhadarim, Doctor of Philosophy (Ph.D.), Curtin University of Technology
 Abdul Kadhim Hayawi, Doctor of Philosophy (Ph.D.), University of Waterloo
 Abdulla Almheiri, Doctor of Education (Ed.D.), University of Jordan
 Abeer Al Hasan, Master of Science (M.S.), University of Jordan
 Abiot Tessema, Doctor of Philosophy (Ph.D.), Maastricht University
 Ada Natoli, Doctor of Philosophy (Ph.D.), Durham University
 Adam Jeffers, Doctor of Education (Ed.D.), University of Southern California
 Adam Krzymowski, Doctor of Philosophy (Ph.D.), University of Warsaw
 Adina Hempel, Master of Fine Arts (M.F.A), Dresden University of Technology
 Afra AlDhaheeri, Master of Fine Arts (M.F.A), Rhode Island School of Design
 Afrah Alsharafi, Master of Education (M.Ed.), Zayed university
 Afroditi Tsioufi, Master of Arts (M.A), ITESOL, University of London
 Afshan Parkar, Master of Science (M.S.), Mumbai University
 Ahed Abugabah, Doctor of Philosophy (Ph.D.), Griffith University
 Ahmad Aljanadbah, Doctor of Philosophy (Ph.D.), The World Islamic Sciences and Education University
 Ahmad Wazan, Doctor of Philosophy (Ph.D.), Paul Sabatier University
 Ahmed Abdel-Maksoud, Doctor of Philosophy (Ph.D.), University of the West of England
 Ahmed Al-Ta'ani, Doctor of Philosophy (Ph.D.), University of Nevada, Reno
 Ahmed Salem, Doctor of Philosophy (Ph.D.), University of Illinois at Urbana-Champaign
 Ahmed Seffah, Doctor of Philosophy (Ph.D.), Central School of Lyon
 Ahmed Shuhaiber, Doctor of Philosophy (Ph.D.), Victoria University of Wellington
 Aimee Grange, Master of Arts (M.A), University of Auckland
 Ajda Osifo, Master of Arts (M.A), University of New South Wales
 Ajlina Karamehic-Muratovic, Doctor of Philosophy (Ph.D.), University of Kentucky
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