FEBRUARY 5, 2026

GENERAL ELECTIVE COURSE LIBRARY

ACADEMIC SESSION 2026/02

ACADEMIC AFFAIRS OFFICE

XIAMEN UNIVERSITY MALAYSIA

Contents

Course Code: G0102	Course Name: Cross-Cultural Communication
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This course emphasizes the practical abilities of communicating effectively with people from different cultural backgrounds. The course consists of three main components: basic concept and knowledge of cross cultural communication, basic and important theories of cross cultural communication, and case studies of several selected countries and their cultures from the perspective of cross cultural communication. It also emphasizes the ability to transfer theoretical knowledge into practical interpersonal communication in the daily lives of students, teaching them to respect and understand the cultural differences that exist.

Outcome of this course:

1. Demonstrate knowledge on the basic theory of cross-cultural communication.
2. Display an ability to communicate with people of different cultural background in ordinary life and business field.

Assessment Methods:

Assignment 1	30%
Assignment 2	20%
Final Project	50%

Course Code: G0103	Course Name: Psychology of Interpersonal Communication
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This course provides an intensive examination of theories, methods of investigation and current developments in the area of interpersonal communication, and focuses on the process of interpersonal communication as a dynamic and complex system of interactions. It stresses the importance of understanding and of applying interpersonal communication theory in work, family, and social relationships.

Outcome of this course:

1. Describe the nature of communication through the definition and different theories of interpersonal communication.
2. Identify and explain the psychological, social, cultural and linguistic factors which affect interpersonal communication of individuals.
3. Apply specific skills to the following areas of the interpersonal communication process: perception, empathy, listening, and conflict management.
4. Perform communication skills that can enhance relationships.

Assessment Methods:

Assignment	60%
Final Examination	40%

Course Code: G0106	Course Name: Film Appreciation: Introduction to Cinema
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This course will introduce the art, technology, language, and appreciation of film, exploring the varieties of film experience, film and the other arts, and the ways of viewing. Students will learn about the basic cinematic techniques and structures, including mise-en-scène and montage, use of cinematic time and space, the image, soundtrack, and the script. Consideration will also be given to analyzing the fundamentals of film production, directing, acting, and editing; how the elements of the production process are analyzed separately, then brought together to show how they create the emotional and intellectual impact of the film experience. Film examples will be screened in class.

Outcome of this course:

1. Analyze key cinematic techniques and structures.
2. Evaluate the roles of directing, acting, and editing in film production.
3. Demonstrate critical appreciation of film as an art form.

Assessment Methods:

Assignment	30%
Mid-term tests	20%
Project	50%

Course Code: G0111	Course Name: Elementary Number Theory
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This course introduces students to elementary number theory. Topics covered include: divisibility, fundamental theorem of arithmetic, linear Diophantine equations, congruences, Chinese remainder theorem, multiplicative functions, primitive roots, quadratic residues, the law of quadratic reciprocity, continued fractions, nonlinear Diophantine equations.

Outcome of this course:

At the end of this course, students will be able to:

1. Apply the concepts and theories in elementary number theory.
2. Determine appropriate methods to solve various problems in elementary number theory.

Assessment Methods:

Coursework	50%
Final Examination	50%

Course Code: G0114	Course Name: American Society and Culture
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

Based on a U.S. textbook on American culture for foreign students, this course provides 12 chapters like basic values, education, religion, politics, business, recreations and front heritage among many others. In course of teaching, some associated movies and videos will also be provided to students so as to make the class more attractive and interesting. Students will not only get to know America and its people, but also improve their English in both textbook learning and classroom activities.

Outcome of this course:

At the end of this course, students will be able to:

1. Understand of the U.S and its people.
2. Improve their English by means of critical reading.
3. Explain their own culture as well as the U.S. Culture
4. Demonstrate the competency in Cross-cultural communication.

Assessment Methods:

Quiz	10%
Presentation	10%
Assignments (reading/writing)	30%
Final Examination	50%

Course Code: G0118	Course Name: Success Strategies
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

This course is designed to empower students with proven frameworks and strategies for achieving success in their personal and professional lives. Drawing from Stephen Covey's 7 Habits of Highly Effective People, the 90/10 Principle by Stephen R. Covey, and Zig Ziglar's Strategies for Success, students will explore essential habits, principles, and mindsets for building character, resilience, and productivity.

Outcome of this course:

Students will:

- Demonstrate understanding of soft skills, principles and strategies for achieving success.
- Evaluate how example circumstances related to business and personal relations have been or could have been improved by use of the "7 Habits" and other success strategies.
- Apply innovative solutions to challenges in your own life by creating personal plans and strategies to achieve success in education, work and family.

Assessment Methods:

Coursework	60%
Final Examination	40%

Course Code: G0119	Course Name: Introduction to Sociology
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This course focuses on fundamental sociological perspectives in understanding and analyzing society. It deals with relevant sociology theories to help students to understand, analyse and solve critical issues in society.

Outcome of this course:

Students will:

- understand concepts and theories within sociology
- apply sociology concepts and theories to different societies
- understand the importance of sociology in modern society
- apply critical thinking skills to analyse society sociologically

Assessment Methods:

Assignment	40%
Group Project	20%
Final Examination	40%

Course Code: G0120	Course Name: Diversity, Gender and Society
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

This course examines the complexity of diversity and gender within a contemporary global framework. It focuses on major trends, theories and issues in understanding human difference and provides a foundation for students to further study in other related courses.

Outcome of this course:

Students will:

- Demonstrate knowledge and understanding of the fundamental concepts of diversity and gender.
- Demonstrate critical thinking skills for making ethical decisions, solving problems, and addressing issues related to diversity and gender

Assessment Methods:

Assignment	40%
Quiz	20%
Final Examination	40%

Course Code: G0121	Course Name: Introduction to Linear Algebra
Credits: 3	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is offered **ONLY** to SWE, DMT, CME, MBT, MEC, TCM, ACC, ECM, IBU, FIN and HMT students.

Brief Introduction:

Content of this course:

This course includes the study of systems of linear equations, matrices, determinants, vectors, vector spaces, linear transformations, inner products, eigenvalues, eigenvectors, symmetric matrices and quadratic forms.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend the theories and methods of linear algebra.
2. Compute characteristic quantities of a matrix or a vector space.

Assessment Methods:

Coursework	40%
Final Examination	60%

Course Code: G0124	Course Name: Introduction to Chinese Language I
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is **NOT** offered to: •Students from China •International students who have passed HSK Level 1 or possess equivalent language proficiency •Malaysian students who have passed Chinese language subjects in the SPM, UEC, IGCSE, IB or A Level examinations

Brief Introduction:

Content of this course:

This course is for beginners in Chinese language, focusing on listening, speaking, reading and writing at the basic level. Students will learn the language through interactive teaching in class. Chinese culture will also be taught under each topics. The focus will be on the communication in daily life.

Outcome of this course:

At the end of this course, students will be able to:

1. understand basic Chinese language.
2. Write basic Chinese language in Hanyu piniyin.
3. Recognise a small number of Hanzi.
4. Demonstrate using of basic Chinese in conversation

Assessment Methods:

Test	20%
Presentation	20%
Assignment	20%
Final Examination	40%

Course Code: G0125	Course Name: Introduction to Global Mandarin
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

The course introduces the concept and formation of Mandarin globalization trend, and the linguistic and societal differences among its members, with a focus on Singaporean and Malaysian Mandarin.

Outcome of this course:

At the end of this course, students will be able to:

1. Demonstrate knowledge and understanding of Mandarin globalization trend and its impact.
2. Display an appreciation of the linguistic and societal variations among different members of the Global Mandarin.

Assessment Methods:

Assignment	40%
Quiz	20%
Final Report	40%

Course Code: G0128	Course Name: Art and Science
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

The course focuses on the dynamic interaction between art and science, with topics including how science has shaped architecture in every culture and civilization; how mathematical principles and materials science have underpinned the decorative arts; how the psychology of perception has spurred the development of painting; how graphic design and illustration have evolved in tandem with methods of scientific research; and how breakthroughs in the physical sciences have transformed the performing arts.

Outcome of this course:

At the end of this course, students will be able to:

1. Demonstrate knowledge and understanding of the relationship between art and science.
2. Demonstrate ability to apply basic analytical skills in art and science work.
3. Enhance the communication skills in a cross-disciplinary view.
4. Enhance the value of creativity, beauty and enthusiasm in their attitudes and professionalism.

Assessment Methods:

Presentation	40%
Final Paper	60%

Course Code: G0129	Course Name: Protection of Innovation
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is **NOT** offered to MBT students.

Brief Introduction:

Content of this course:

This course covers the major methods in the protection of scientific innovation including copyright, trademark, patent, and trade secret.

Outcome of this course:

At the end of this course, students will be able to:

1. interpret the types of intellectual property rights.
2. propose suitable rights to protect scientific innovation.
3. display effective oral and written scientific communication.

Assessment Methods:

Quiz	30%
Presentation	20%
Assignment	50%

Course Code: G0131	Course Name: Communication Skills for Job Search
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

This course introduces the students to the entire process of job search, from submitting their job application letter and resume based on a selected job advertisement, to attending mock job interview sessions. The knowledge and skills acquired in the course will help the students in their application for their first full-time job, and throughout their working life.

Outcome of this course:

1. Recognise a career action plan and effective job search strategies
2. Write a winning resume and a cover letter that answers the job advertisement
3. Explain the keys to succeed job search initiatives
4. Demonstrate the ability to handle the job interview leading to success in winning the job.

Assessment Methods:

Quizzes	20%
Assignments	25%
Peer and tutor reviews, and mock interviews	15%
Final Examination	40%

Course Code: G0132	Course Name: Basic Korean Language
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

In this course, students will be taught some basic sentence structures and the grammar of Korean language. They will also be taught the four language skills: reading, writing, listening and speaking of Korean language. They will learn to produce simple dialogues and sentences as well as short texts. They will also be exposed to the correct pronunciation of Korean words.

Outcome of this course:

1. Recognise Korean characters and pronounce Korean words.
2. Comprehend basic Korean grammar.
3. Interpret the content of simple oral and written texts.
4. Produce simple sentences and essay in written form.

Assessment Methods:

Quiz	10%
Assignment	10%
Oral Test	20%
Final Examination	60%

Course Code: G0135	Course Name: Probability and Statistics in Real Life
Credits: 3	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is **NOT** offered to MAT and DSC students.

Brief Introduction:

Content of this course:

This course will explore various statistical concepts that are used in daily life. There will be at least one case study for each topic. Topics covered include: gathering and exploring data, correlation and regression, probability, probability distributions and sampling distributions.

Outcome of this course:

At the end of this course, students will be able to:

1. Apply the concepts and theories in probability and statistics.
2. Identify the right tools to explore a given data set.

Assessment Methods:

Assignment	20%
Quizzes or Tests	40%
Final Examination	40%

Course Code: G0138	Course Name: Introduction to German Language I
Credits: 3	**Field: Arts**
Prerequisite/co-requisite/Others	Language Requirement: This course is offered **ONLY** to students with no prior knowledge of German language.

Brief Introduction:

Content of this course:

This course is an introduction to the German language. The purpose of this course is to provide learning strategies in a foreign language and apply the knowledge and skills in real life situations. In this course, students will be taught basic German as a Foreign language in theory and practice based on the Common European Framework Reference (CEFR). The purpose of this course is for students to acquire the fundamental language proficiency in German as well as to enhance their culture awareness through provided materials relating to culture and social in the designated country.

Outcome of this course:

At the end of this course, students will be able to:

1. Use the basic German grammatical structures in text appropriately
2. Interact in simple German related to daily activities
3. Show a better understanding in German culture and language through the group assignment

Assessment Methods:

Group Presentation	10%
Oral Assessment	10%
Listening Assessment	10%
Writing Assessment	10%
Final Examination	60%

Course Code: G0140	Course Name: Languages and Writings of the World
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

There are about 7000 languages on the earth, but most of us can speak only less than ten of them. Some languages are more similar to each other than the others, but most of us do not know how languages are classified.

On the other hand, there are only five major writing systems. Unrelated languages may share a writing system, or related languages may have different writing systems. However, only less than 10% of languages are written, most of which are major and influential languages. The rest are mostly marginalized or endanger.

In this course, students are guided to look at the major languages of the world with examples, as well as how languages are grouped into families and branches according to their characteristics. They will also learn about and recognize the writing systems of the world.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe languages of the world, their characteristics and their classification
2. Understand writings of the world, and able to recognize them
3. Explain the relationship between languages and writings. Factors affecting the choice of writings, writing reforms

Assessment Methods:

Assignment	40%
Quiz	20%
Final Examination	40%

Course Code: G0142	Course Name: Art Appreciation
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

Art Appreciation, is a general elective course which provides a basis for observing, understanding, and enjoying art. Its content covers a broad range of topics related to art. It provides is an exploration of visual art forms and their cultural connections for the student with little experience in the visual arts. Also, this course includes a brief study of art history and in depth studies of the elements, media, and methods used in creative processes and thought.

Outcome of this course:

At the end of this course, students will be able to:

1. Interpret examples of visual art using a five step critical process: description, analysis, context, meaning and judgment.
2. Apply analytical skills to connect formal attributes of art with their meaning and expression.
3. Explain in writing the role and effect of the visual arts in societies, history, and other world cultures.
4. Demonstrate fundamental concepts of aesthetics toward the interpretation of art.

Assessment Methods:

Portfolio of Works (Exercises and Essay)	30%
Project Work	30%
Final Project	40%

Course Code: G0143	Course Name: Digital Publishing
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

In this course students will develop an understanding of the nature and potential application of digital publishing and develop skills to be able to produce digital files for electronic publication. This course aims to provide students with introduction to digital desktop publishing in a PC environment. It is also designed to give students the skills and knowledge in preparing such forms of modern publications as newsletters, brochures, magazines and booklets in digital format.

Outcome of this course:

At the end of this course, students will be able to:

1. Identify the common desktop publishing software and provide knowledge and develop understanding of how digital publishing are developed, designed and implemented.
2. Implement the basic rules of layout in digital publishing environment
3. Determine the good elements of layout design and propose innovative and creative solutions for designing
4. Reproduce the techniques of design and show the knowledge acquired to design and produce various digital publications

Assessment Methods:

Assignment(s)	60%
Final Project	40%

Course Code: G0145	Course Name: Introduction to Creative Typography Design
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This course introduces the characteristics of typeface and communication for digital screen and its contrast with type to print media. Students will explore typographic terminology, structure and the historical context of letterforms and Roman alphabets, and their application in visual and information hierarchies within the print and digital environment.

Outcome of this course:

At the end of this course, students will be able to:

1. Understand the relationship between language, literacy, messages, meaning and the pioneering work of leading typographers
2. Present effectively while producing layout design using typeface weight and colour.
3. Demonstrate typeface using printed materials and applying it into the digital context.
4. Justify design decisions during critique to peers and an instructor.

Assessment Methods:

Assignments	40%
Project	60%

Course Code: G0146	Course Name: Multimedia Storytelling
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This course will provide students who understand and can synthesize the multimedia design principles into the multimedia projects. By inculcate the basic elements of multimedia such as text, graphics, animation, video and sound using a computer, students will implement these basic multimedia skills in the creation of digital storytelling format. Students will be conversant with aspects of computer-based interactive multimedia, including practical creative skills, and theoretical awareness of the complex interplay of social, economic, psychological, technical and aesthetic issues underpinning the subject.

Outcome of this course:

At the end of this course, students will be able to:

1. Identify the principles of multimedia technology and applications
2. Adapt skills in researching the target audience and a particular theme or issues within the multimedia project
3. Demonstrate the important theoretical, conceptual, social, technical and design issues related to the usability in an interactive multimedia solutions

Assessment Methods:

Presentation	20%
Project	40%
Final Examination	40%

Course Code: G0147	Course Name: Acting and Appreciation of Theatre
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

This course emphasizes the students' improvement in expressive abilities and mind & horizon broadening. The course consists of 3 main components: acting training, appreciation and imitation of classic plays from different times and creative improvisation training.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend basic knowledge of theatre and different cultures from the plays.
2. Display some short scenes from some classic drama work appropriately
3. Perform some classic plays in theatre as student-actors

Assessment Methods:

Quiz	30%
Class Presentations	20%
Final Presentation	50%

Course Code: G0148	Course Name: Car Culture
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

The course mainly introduces Birth and Development of the Automobile, Car Celebrities, Famous Automobile Companies and Their Vehicle Mark, Modelling and Color, Racing Sports and Fashion, Modern Automobile Science and Technology and Future Automobile, Car Marketing, Automobile Pollution. This course mainly aims to cultivate students' interest in cars and improve their comprehensive appreciation of cars. The students will discuss advanced technologies and new developments, list the famous celebrities and companies, state the history, illustrate different races, and so on.

Outcome of this course:

At the end of this course, students will be able to:

1. Illustrate the history of automobile, and list some famous celebrities and companies.
2. Summarize the advanced technologies and new developments, estimate and imagine the possible automobiles in the near future
3. Develop the ability of discussing the characteristics, for example, about marketing, colour, brands, and performance automobiles

Assessment Methods:

Assignment(s)	40%
Project	60%

Course Code: G0150	Course Name: Principles of Public Relations
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

In Principles of Public Relations students will learn about the theory and practice of public relations, how public relations operates in organizations, its impact on publics, and its functions in society. This course will teach students the professional development of the field; concepts, issues, and principles in the practice; and models and theories guiding the practice. It is dedicated to exploring essential guidelines on the content and scope related with public relation.

Outcome of this course:

At the end of this course, students will be able to:

1. To demonstrate an understanding of the basic principles and theories associated with public relation.
2. To build the capability in preparing documentation related to public relation activity.
3. To apply their communication and presentation skills in discussing the technology of communication issue.

Assessment Methods:

Coursework	60%
Final Assessment	40%

Course Code: G0151	Course Name: Visual Communication
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

A good quality of design depends on the transmission of information and ideas through appropriate visual aids in a creative and innovative perspective. This course will expose students the theories, language of design and concepts of visual communication in graphic design, informational graphics, cartoons and etc. The course will also help students to make analysis of aesthetics by studying the structure of appearance of visual aids. Through studio practice, students will learn to apply theory into practice by producing creative and effective design solutions.

Outcome of this course:

At the end of this course, students will be able to:

1. List the language of design of visual communication
2. Apply the visual communication elements and principles in presenting design ideas and information
3. Develop high quality visuals techniques to solve problems in visual communication

Assessment Methods:

Assignment 1	30%
Assignment 2	40%
Mid-Semester Exam	30%

Course Code: G0153	Course Name: Social Media & Digital Communities
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This course is designed to critically understanding how social media affects the political, business and sociocultural spheres of our daily lives. The course covers online communities and corporations and discusses how transnational and transcultural identities and relationships are trans-acted and negotiated in the virtual-real realms. It also looks into interdisciplinary lens, you will engage with some social networking sites such as Facebook, Instagram, Yammer and Youtube to analyse patterns of user production and consumption.

Outcome of this course:

At the end of this course, students will be able to:

1. understand, narrate and debate key public issues through creative and responsible online construction and discussion.
2. discuss critical argumentation on the ethical, political and cultural impact of social networking sites on individuals and communities.
3. analyze methods of researching the internet and develop skills in interpreting social media data.

Assessment Methods:

In class activities	10%
Assignment 1	20%
Assignment 2	20%
Final Examination	50%

Course Code: G0156	Course Name: Cinematic Communication
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

In this course students will learn to express their ideas through the language of cinema. The basic principles of cinematography, directing, editing, producing, and sound design will be introduced. Using cinematic storytelling techniques to achieve effective self-expression, students will produce short fiction films.

Outcome of this course:

At the end of this course, students will be able to:

1. Demonstrate knowledge and basic competency in video production from scriptwriting to pre-production, production and postproduction.
2. Be able to capture aesthetically pleasing video images and sound.
3. Apply knowledge and skills to the actual production of original short films.

Assessment Methods:

Assignment 1	25%
Assignment 2	25%
Final project	50%

Course Code: G0160	Course Name: Relationship Marketing
Credits: 3	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is **NOT** offered to year 1 students

Brief Introduction:

Content of this course:

This course familiarises students with the various approaches and applications of relationship marketing, building and developing customer value and customer retention. The course focuses on the strategic side of customer relationship management where two distinct elements, firstly the principles of relationship marketing, and secondly the industry specific application of relationship marketing is analysed with the view of creating long-term profitable relationships with targeted customers. The course provides students with an understanding of relationship management and its application in delivering competitive advantage in the various marketing and business fields. Real business scenarios will be discussed and analysed to provide the students with an opportunity to facilitate 'real life' decision-making, particularly within a digital environment. This course will also address the key issues within relationship marketing, in particular both the opportunities and limitations presented in this area of marketing.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain the scope, emergence and adoption of RM from TM and how the development of relationship marketing impacts the current competitive market place
2. Discuss the strategies in relationship marketing for creating value for customers and capturing value from customers in return.
3. Analyse the major trends, forces, and challenges, both domestically and globally, that are changing the marketing landscape in this age of relationships.

Assessment Methods:

Assignment 1	30%
Assignment 2	30%
Final Assignment	40%

Course Code: G0162	Course Name: Political Communication
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This subject examines the communication involved in the varied contexts of politics so that students may become more informed users and consumers of political messages. Students will be exposed to relevant theories and ideas and asked to apply this knowledge to current political activity. This subject also examines the mediated nature of modern political communication, the communication styles and strategies of campaign-related contexts. It focuses on current techniques used by political and social actors in traditional media as well as online political communication campaigns.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend the interconnectedness between politics, media and public opinion.
2. Assess political messages and persuasive communication.
3. Examine the process of political communication and how it shapes our lives.
4. Relate political communication phenomena to concepts and theories.

Assessment Methods:

Mid Term Test	30%
Assignment	30%
Final Exam	40%

Course Code: G0163	Course Name: Chinese Epigraphy in Southeast Asia
Credits: 2	**Field: Arts**

Brief Introduction:

Contents of this course:

This course is an introductory lesson on the Chinese Epigraphy in Southeast Asia. It aims to provide an overview of the first-hand historical information on the aspirations and contributions of the early generation of Chinese settlers in Southeast Asia. This course will be beneficial for students to enhance their understanding of the art of epigraphy and Chinese society in Southeast Asia.

Outcome of this course:

At the end of this course, students will be able to:

1. Demonstrate knowledge and understanding of the meaning of Chinese epigraphy in Southeast Asia.
2. Display an appreciation of multi-ethnic and multi-culture of Southeast Asia.

Assessment Methods:

Assignment(s)/ Case(s) Study	50%
Project	50%

Course Code: G0166	Course Name: Public Speaking
Credits: 2	**Field: Arts**

Brief Introduction:

Contents of this course:

This course is designed to equip students with the knowledge and practical skills to prepare and to deliver an effective public speaking. The course explores the fundamental elements of public speaking, especially in understanding the communication process, managing the anxiety in presentation and in identifying the strategies in listening process for both listener and speaker.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend the essential elements in public speaking
2. Integrate knowledge and information to prepare for public speaking
3. Demonstrate skills in public speaking

Assessment Methods:

Quizzes	40%
Assignments	60%

Course Code: G0167	Course Name: #mysocialmediapresence
Credits: 3	**Field: Arts**

Brief Introduction:

Contents of this course:

This course is designed to expose students to the social media platforms available in the 21st century and the importance of having an online presence. It aims to guide students to find their sense of belonging through a social media platform most compatible to their needs and passion. This course covers fundamental skills such as photography, videography and blogging, thereby enabling students to further explore and kickstart their journey of building their online presence/personal brand.

Outcome of this course:

At the end of this course, students will be able to:

1. Produce interesting social media contents based on the skills acquired in photography, videography or blogging
2. Demonstrate the ability to communicate specific contents to readers/viewers in the social media platform of choice
3. Analyse readers/viewers demographics to then be able to use the trend observed in the production of future contents

Assessment Methods:

Assignment 1	30%
Assignment 2	30%
Assignment 3	40%

Course Code: G0169	Course Name: Occupational Safety and Health at Workplace
Credits: 3	**Field: Arts**

Brief Introduction:

Contents of this course:

This course provide students with fundamental knowledge and understanding about safety and health at workplace. The course also covers regulations and law relating to Malaysian Safety, Health & Environment.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend the concept and importance of safety & health at workplace
2. Identify hazards and factors that influence safety & health at workplace
3. Apply appropriate safety & health practices and methods to manage & control hazards at workplace
4. Describe Malaysian legislation for securing safety, health, environment and welfare of people at workplace

Assessment Methods:

Test	20%
Group Report	40%
Group Presentation	40%

Course Code: G0173	Course Name: New Media: Digital, Activism and Society
Credits: 3	**Field: Arts**

Brief Introduction:

Contents of this course:

The digital age has revolutionized communication, activism, and societal interactions, giving rise to unprecedented opportunities and challenges. This course explores the transformative role of new media platforms in reshaping culture, politics, and economies. Students will critically examine how digital tools influence activism, from global movements to grassroots campaigns, analysing the successes, challenges, and ethical implications of these efforts.

Through theoretical discussions and case studies, students will develop critical media literacy, analyse the influence of algorithms and digital platforms, and assess the role of new media in activism and social change.

Outcome of this course:

At the end of this course, students will be able to:

1. Analyze the evolution and characteristics of new media and its impact on society
2. Examine the role of new media in activism and social change
3. Demonstrate an ability to verbally express ideas about new media-related issues or trends

Assessment Methods:

Assignment 1	20%
Assignment 2	30%
Final Project	50%

Course Code: G0179	Course Name: Chinese Seal Carving: Appreciation and Practice
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Note: The medium of instruction is Chinese, and all assignments are to be completed in Chinese Requirement: Native proficiency in Chinese, or demonstrated ability in Chinese listening, reading, and writing; possession of SPM Chinese, UEC Chinese, or an equivalent qualification

Brief Introduction:

Contents of this course:

The course introduce and appreciate the profound Chinese seal carving art and artist, from the pre-Qin period to modern & contemporary era which aims to develop and cultivate esthetical view of students and edify students' ethos. Besides the aesthetic observation, the course also emphasizes the practical skills of seal carving, as to deepen the experience of the beauty of seal carving art, as well as the skills of the making.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend the development of Chinese seal carving in all ages.
2. Interpret Chinese seal carving works with aesthetical judgement and knowledge acquired.
3. Design and create seal carving.

Assessment Methods:

Assignment	50%
Project	50%

This course includes weekly hands-on sessions, with students responsible for the cost of a starter kit, which includes seal carving tools and materials. A fee of **RM55** for the kit is to be paid during the first practical class (Lesson 3) in the initial week. The kit provides essential items includes, printing bed, 6 carving knives, 6 carving stones, stamp pad, 3 types of specialty papers, and 5 sandpapers.

Since the course incorporates various Chinese terms and involves appreciating seal script inscriptions, practicing seal script calligraphy, and carving characters in seal style, students are advised to have listening, reading, and writing proficiency in Chinese for a more effective and enjoyable learning experience in seal carving.

Course Code: G0180	Course Name: Mathematical Theory of Games
Credits: 3	**Field: Arts**

Brief Introduction:

Contents of this course:

Game Theory is a branch of mathematics concerned with decision-making. In this course we will learn how to make optimal decisions in business, sports, and other parts of life in a mathematically rigorous way.

Outcome of this course:

At the end of this course, students will be able to:

1. Apply the concepts of game theory.
2. Determine which game theoretic problem-solving techniques should be applied to various problems.
3. Explain the applications of game theory concepts to economics, evolutionary biology, and other fields of knowledge.

Assessment Methods:

Coursework	50%
Final Examination	50%

Course Code: G0182	Course Name: The Four Great Classical Novels of Chinese Literature and Drama Series
Credits: 2	**Field: Arts**

Brief Introduction:

Contents of this course:

This course provides introduction to the four great classical novels of Chinese literature though drama series, and expose students to know the novel protagonist and storyline.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend The Four Great Classical Novels of Chinese literature
2. Interpret the Four Great Classical Novels of Chinese literature

Assessment Methods:

Project	30%
Assignment	20%
Presentation	50%

Course Code: G0184	Course Name: Technical Writing
Credits: 2	**Field: Arts**

Brief Introduction:

Contents of this course:

The purpose of this subject is to produce instructive, informational, clear, effective and persuasive documents based on well-defined and achievable outcomes. The content of the course will help students understand that good technical writing is situationally-aware and context-driven.

Outcome of this course:

At the end of this course, students will be able to:

1. Understand how to ethically demonstrate information and knowledge effectively in practical documents for a variety of a professional readers
2. Prepare comprehensive documents clearly, concisely and ethically for practical applications, with consideration of teamwork attributes.

Assessment Methods:

Assignment	30%
Presentation	20%
Final Assignment	50%

Course Code: G0192	Course Name: Culturology of Chinese Characters
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Note: The instruction and assessment will be conducted in Chinese (Mandarin) Requirement: Intermediate to advanced proficiency in Chinese

Brief Introduction:

Contents of this course:

There is a very close relationship between Chinese characters and Chinese ancient culture. This course mainly focuses on several topics such as Chinese Characters and the ancient production, diet, clothing, construction, traffic etc. Through specific Chinese characters， this course aims to guide students to find out the relationship between Chinese characters and Chinese culture and understand different aspects of Chinese ancient society.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend the uniqueness of Chinese characters.
2. Find the relationship between Chinese characters and Chinese culture.
3. Explain specific Chinese characters to figure out different aspects of Chinese ancient culture.

Assessment Methods:

Presentation	30%
Assignment	30%
Final Project	40%

Course Code: G0193	Course Name: Malaysian Literature in English
Credits: 3	**Field: Arts**

Brief Introduction:

Contents of this course:

This course examines Malaysian literature in English, exploring the diverse literary traditions of the country while considering the roles of memory, identity, and historical narratives in shaping Malaysian literary texts and the Malaysian culture. This course offers an exploration of works written by local writers highlighting the country's vibrant and diverse literary traditions such as postcolonialism, multiculturalism, migration, and the intersection of personal and collective memory in the context of Malaysia's evolving cultural landscape. Students will examine how we are connected to the idea of memory, identity, and historical narratives as reflected in selected Malaysian literary texts and culture by engaging with novels, short stories, and poetry through close reading of texts and critical analysis. By the end of the course, students will gain a deeper understanding of how literature reflects, negotiates, and challenges the social and cultural complexities of Malaysia.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend Malaysian literary texts in English
2. Analyse the relationship between history, memory, and Malaysian Literature in English
3. Present their analysis of Malaysian Literature in English effectively through oral presentation

Assessment Methods:

Assignment	30%
Quiz	30%
Final Presentation	40%

Course Code: G0194	Course Name: Cyberpsychology
Credits: 2	**Field: Arts**

Brief Introduction:

Contents of this course:

The course provides students with the basic knowledge on how we interact with others using technology, how we develop technology to best fit our requirements and desire and how our behaviour and psychological states can be affected by technologies. The course covers a variety of topics such as online hostility, privacy management, impression management, online dating, social media, health psychology, consumer behaviour online, well-being and cybercrime.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain concepts related to cyberpsychology and cyberbehaviours.
2. Analyse current problems and/or new insights in the field of cyberpsychology and cyberbehaviours.
3. Demonstrate an ability to interview others with regard to cyberpsychology topics.

Assessment Methods:

Assignment	50%
Final Project	50%

Course Code: G0196	Course Name: Communication and Law in Malaysia
Credits: 2	**Field: Arts**

Brief Introduction:

Contents of this course:

This course is design to impart a basic understanding of the communication law of Malaysia. It provides insights into the constitutional principles and the laws that relate to communication whether via physical media (eg. newspaper, book, magazine, etc), broadcasting media (eg, radio, television, etc) or digital media (eg. email, website, blogs, facebook, Instagram, QQ, wechat, whatsapp, etc). An underlying theme will be the relationship between free speech and the legal restrictions imposed upon communication.

Outcome of this course:

At the end of this course, students will be able to:

1. demonstrate appropriate knowledge and understanding of the communication laws of Malaysia and its role in everyday life
2. quickly adapt and assimilate into the Malaysian living environment, and show considerate understanding when communicating, in particular international students
3. effectively lead a team while producing a good quality production of assignment

Assessment Methods:

Assignment	50%
Final Examination	50%

Course Code: G0197	Course Name: English Novels and Short Stories
Credits: 3	**Field: Arts**

Brief Introduction:

Contents of this course:

The course introduces students to English novels and short stories written in 18th and 19th centuries. The students will critically examine the constituent elements of the novels and the short stories, including the social, cultural, historical and religious contexts, as well as the characters, plot and setting. They will learn to write critical papers in response to the novels. They will read few novels and short stories representative of the periods.

Outcome of this course:

At the end of this course, students will be able to:

1. Relate the characters of the novels and the short stories to the historical, cultural, political or religious background of the period in which the novels were written;
2. Critically evaluate the characters, plot, language and techniques of the novels read;
3. Apply critical thinking on novels/ short stories when writing analytical papers on them.

Assessment Methods:

Quiz	30%
Assignment	20%
Presentation	20%
Final Essay	30%

Course Code: G0198	Course Name: Philosophy and Education
Credits: 3	**Field: Arts**

Brief Introduction:

Contents of this course:

This subject exposes the students to the philosophy of education and the connections between them. Consequently, some of the most important theoretical movements of the twentieth century in the field of Education Psychology are introduced and discussed. This subject also sharpens students' philosophical understanding of education. The module will cover the concept of education, Indoctrination, self-determination, and creativity as well.

Outcome of this course:

At the end of this course, students will be able to:

1. Evaluate the key concepts in education and the main principles of education that can be logically further developed in light of the major philosophies of education
2. Discuss different educational philosophical and theoretical knowledge challenges that exist in the academic world and the ways to face them for effective education, learning and teaching
3. Describe the importance of philosophy in education and how it acts as the background to any practical activity

Assessment Methods:

Presentation	30%
Quiz	30%
Final Assignment	40%

Course Code: G0199	Course Name: Leadership with Fun
Credits: 3	**Field: Arts**

Brief Introduction:

Contents of this course:

This course is designed to provide students with an active and participatory learning experience towards attaining leadership values. The students will develop their effective leadership skills through game based activities and assessments. The assessments are based on weekly activities observation, leading and conducting project, and synthesising self-reflection. Students are to showcase samples of best work, along with life experiences, values and achievements as learners develop portfolios that reflect accomplishments, skills, experiences, and attributes.

Outcome of this course:

At the end of this course, students will be able to:

1. Demonstrate key values of leadership in different situations or settings
2. Showcase leadership attributes through activities
3. Display insightful self-reflection from the leadership activities conducted and participated in

Assessment Methods:

Guided Activities	40%
Portfolio	10%
Self-Reflection	20%
Project	30%

Course Code: G1100	Course Name: Media and Representations
Credits: 2	**Field: Arts**

Brief Introduction:

Contents of this course:

This course is designed to provide an understanding of how societal aspects such as race, gender, class, age, ethnicity, nationality, and social issues are (re)presented in the media. Media texts have the power to shape an audience's knowledge and understanding about these important topics. This course will help students to identify, observe, and analyse issues of media representation and examine what influences these representations, and consider their repercussions.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain concepts related to media representation and its importance.
2. Analyse how various societal aspects are represented in the media through news, advertising, entertainment and their influence on stereotypes.
3. Develop critical thinking skills in interpreting media texts.

Assessment Methods:

Assignment	50%
Final Project	50%

Course Code: G1109	Course Name: Introduction to Machine Learning with Python
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is offered **ONLY** to ACC/ECM/FIN/IBU/HMT/CME/EGE/MBT/MEC/TCM second year and above students

Brief Introduction:

Contents of this course:

This course provides the basic knowledge of machine learning algorithms and implemented in Python programming. To be general and detailed, the topics include two phases: Python programming and machine learning. Python programming consists of fundamentals of Python programming, Python programming cases studies and analysis. Machine learning consists of linear regression, logistic regression and classifications. This course also offers the associated project learning cases: housing price predict, and flowers classification. While in the final class, the students shall finish one project and present a limilar machine learning project in class.

Outcome of this course:

At the end of this course, students will be able to:

1. Display the ability to write, test, debug and evaluate Python code.
2. Apply machine learning algorithms within the constraints of a Python language's syntax and semantics.
3. Demonstrate teamwork in solving practical problem using machine learning algorithm.

Assessment Methods:

Quiz	30%
Final Assessments (Presentation/ Demonstration/ Project report)	70%

Course Code: G1112	Course Name: Fun of Mushroom Growing
Credits: 2	**Field: Arts**

Brief Introduction:

Contents of this course:

This course will teach students how to grow mushrooms, from culture establishment and spawn preparation to successful growing of mushroom.

Outcome of this course:

At the end of this course, students will be able to:

1. Perform the cultivation of mushroom
2. Demonstrate teamwork in cultivation of mushroom

Assessment Methods:

Practical Tests (x4)	40%
Project	60%

Course Code: G1115	Course Name: Healthy and Effective Relationships
Credits: 3	**Field: Arts**

Brief Introduction:

Contents of this course:

This course introduces students on how to communicate and engage with others more effectively in light of how important it is for everyone to maintain strong social relationships and human connections. Politeness strategies, minimisation of threats to one's face, various communicative styles, relationship conflicts and needs are some theoretical approaches and concerns that will be thoroughly introduced and discussed. Overall, this course assists students to further boost positivity in their lives by training them to achieve healthier and effective relationships with others, simultaneously achieving and sustaining positive emotions, personal well-being and life goals - via communication, also through persuasiveness and assertiveness skills.

Outcome of this course:

At the end of this course, students will be able to:

1. Identify factors that influence relationships in both personal and professional spheres.
2. Present effective communicative styles in both personal and professional spheres to sustain healthy and effective relationships.
3. Display strategies to sustain long-lasting, healthy, and effective relationships taking into account communicative styles, psychological factors, personality, look, and appearance in both personal and professional spheres.

Assessment Methods:

Presentation	30%
Role Play/Debate	30%
Final Project	40%

Course Code: G1117	Course Name: The History and Culture of Football Games
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Note: Students must bring their own sports shoes and football boots

Brief Introduction:

Contents of this course:

This course provides some knowledge related to football culture and history, including Cu Ju (蹴踘, during Ancient China), Sepak Takraw (popular in Southeast Asia), modern football(originated from Europe), and futsal (from South America). In addition, there is also an opportunity to practice and play the above-mentioned football games.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend the history and culture of football games.
2. Apply the gameplay and rules of various football sports.
3. Perform basic football (futsal) skills for healthy and active lifestyle.

Assessment Methods:

Project	30%
Quiz	20%
Performance	10%
Football Drills (Passing, Dribbling, Shooting)	40%

Course Code: G1118	Course Name: A Brief Introduction to Chinese Philosophy
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	•Note: The instruction and assessment will be conducted in Chinese (Mandarin) •Requirement :Chinese language proficiency at HSK Level 4 or an equivalent level or above.

Brief Introduction:

Contents of this course:

This course introduces Chinese philosophy, providing students with a comprehensive overview. It explores fundamental concepts within the rich tapestry of its historical and cultural context, while also employing cross-cultural comparisons. The goal is to cultivate a profound appreciation and understanding of Chinese philosophy.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain the fundamentals of Chinese philosophy.
2. Relate Chinese philosophy to the areas of heart-mind and human nature, metaphysics, knowledge and wisdom, ethics, and political philosophy in both lectures and group assignments.

Assessment Methods:

Oral assignment	50%
Written assignment	50%

Course Code: G1119	Course Name: Explore Biology with Art
Credits: 2	**Field: Arts**

Brief Introduction:

Contents of this course:

This course explores the beauty of biology through observation and recording of living organisms from the perspective of science. Through hands-on activities and practical skill development, students will not only engage with scientific observation but also unleash their creativity, bridging the realms of science and art in a unique and enriching learning experience.

Outcome of this course:

At the end of this course, students will be able to:

1. Perform observation and recording of living organisms from the perspective of science.
2. Demonstrate artistic interpretation of living organisms that reflect biological understanding.

Assessment Methods:

Practical Skills Assessment	60%
Project	40%

Course Code: G1120	**Course Name: Basics of Project Management for Software Development**
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	This course is **NOT** offered to DMT, SWE, CYS, CST, and DSC students.

Brief Introduction:

Contents of this course:

This course provides basic concepts of software project management. Students are exposed to theories of PMBOK in the context of system development lifecycle. Students who are without any IT background can grasp the fundamental ideas of how to manage a software project after completing this course.

Outcome of this course:

At the end of this course, students will be able to:

1. Demonstrate knowledge and understanding of the basic concepts, principles, methods and models of software project management.
2. Propose an implementation plan for a software project.
3. Manage project cost and quality effectively.

Assessment Methods:

Assignment	40%
Presentation	20%
Final Project	40%

Course Code: G1121	Course Name: Medical Image Analysis using Python
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is offered **ONLY** to ACC/ECM/FIN/IBU/HMT/CME/EGE/MBT/MEC/TCM second year and above students

Brief Introduction:

Contents of this course:

The course will lead students to understand concepts and various methods in medical image analysis using Python. These methods include image enhancement, feature extraction, classification, and segmentation. Machine and deep learning methods such as SVM, CNN, and R-CNN will be used in classification and segmentation of medical images. Emphasizing hands-on experience, the course revolves around a series of labs dedicated to practical applications of processing medical image data using Python.

Outcome of this course:

At the end of this course, students will be able to:

1. Interpret various machine and deep learning techniques in the context of medical image analysis.
2. Show proficiency in utilizing Python programming for the analysis of medical imaging
3. Demonstrate teamwork in solving practical problems related to medical imaging using good communication skills.

Assessment Methods:

Quiz	25%
Assignment	25%
Group Project	50%

Course Code: G1122	Course Name: Technology and Culture: Science Fiction, Video Games and Social Media
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is **NOT** available to students who have already completed G0134

Brief Introduction:

Content of this course:

Focusing on the relationship between technology and culture, this course looks at the latest research outcomes and hotspots on this issue and provides students with an interdisciplinary research horizon.

Outcome of this course:

1. Comprehend knowledge and understanding of the relationship between technology, culture and humanism.
2. Practice an interdisciplinary perspective in thinking about complex issues concerned with technology and culture.

Assessment Methods:

Assignment 1	20%
Assignment 2	10%
Presentation	20%
Final Examination	50%

Course Code: G1123	Course Name: Introduction to Logic
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

This course explores the principles of reasoning and argumentation. Students will learn about various logical systems, including deductive and inductive reasoning, the structure of arguments, and common fallacies. This course aims to enhance critical thinking skills, enabling students to construct sound arguments and evaluate the validity of others' reasoning effectively.

Outcome of this course:

1. Comprehend the fundamental principles of logic
2. Analyze the argument in a logical and critical manner

Assessment Methods:

Tests	70%
Presentation	30%

Course Code: G1124	Course Name: French for Communication
Credits: 3	**Field: Arts**
Prerequisite/co-requisite/Others	Language Requirement: This course is offered **ONLY** to students with little or no prior knowledge of French language.

Brief Introduction:

Content of this course:

This course is designed for learners who has little or no knowledge of French. The aim is to develop an ability to use the language effectively for practical communication. Through a blend of engaging lessons, interactive exercises, and real-world examples, learners will master basic conversational skills and develop writing fundamentals. The course also aims to offer insights into the culture of countries where French is spoken, thus encouraging positive attitudes towards language learning and towards speakers of other languages.

Outcome of this course:

1. Construct language in unprepared conversations on familiar topics of personal interest or relevant to everyday life.
2. Identify the descriptions of events, opinions, emotions in simple texts and the main points, themes, ideas in predictable texts in French language.
3. Construct simple connected texts on familiar topics using French language.

However, students from Francophone countries are refrained from taking this course.

Assessment Methods:

Roleplay	30%
Quiz	30%
Final Examination	40%

Course Code: G1125	Course Name: Artificial Intelligence and Society
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

This course explores the intersection of technology and society through the lens of the Humanities and Social Sciences. Artificial Intelligence (AI) is considered to be one of those "general purpose technologies" that could have transformative impacts on society. Recent advances in AI have led to a proliferation of AI applications across various sectors, with the potential to reshape society and individual lives. This course introduces key developments in AI history and basic concepts of machine learning, and guides students to explore how AI technologies are being applied in various sectors of society. It focuses on examining some of the major social, economic, political, ethical, and philosophical issues related to AI, while encouraging students to develop the ability to critically reflect on the complex relationship between technological advancement and societal progress.

Outcome of this course:

1. Describe key developments in AI history and basic concepts of AI.
2. Present how AI technologies are applied in various sectors of society.
3. Demonstrate awareness of the major social, economic, political, ethical, philosophical issues related to AI.

Assessment Methods:

Quiz	30%
Presentation	30%
Final Project	40%

Course Code: G1126	Course Name: English Drama
Credits: 3	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is **NOT** offered to students who have already earned credit for course G0105 English Drama

Brief Introduction:

Contents of this course:

This course will introduce to students basic drama knowledge, give acting skills training and provide opportunities for students to perform on stage. It aims at improving students' abilities of expression, cooperation, appreciation in aesthetics, creation, cognition, understanding English as well as triggering students' motivation for learning English through reading and performing plays in English, etc. This course emphasizes the improvement of motivation in English learning and a variety of abilities which are needed for daily study, work and life. The course consists of five main components: basic drama knowledge, performance skills, understanding of English plays, development of team spirit, and effective acquisition of language and performance theories.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend basic knowledge on drama, theatre and performance
2. Demonstrate the characteristics and significance of famous or classic plays
3. Demonstrate abilities to perform plays on stage properly and self-confidently in English

Assessment Methods:

Quiz	30%
Presentation - Episode Exhibition	20%
Final Performance	50%

Course Code: G1128	Course Name: Designing Nature: AI, Atoms, and the Art of Simulation
Credits: 3	**Field: Arts**

Brief Introduction:

Content of this course:

This course explores how computer simulations and artificial intelligence serve as both scientific tools and creative mediums to visualize and understand phenomena in chemistry, biology, and physics starting from the atomic scale. Students will engage with these digital "arts" of modeling to apply scientific thinking and appreciate the beauty of nature's design, from atoms to entire systems. Emphasizing real-life challenges and sustainable development goals, the course invites students to creatively apply simulation to address environmental, health, and energy-related problems in society.

Outcome of this course:

1. Describe the basic principles of how computer simulations are used to model scientific systems.
2. Use simple simulation and visualization tools to explore atomic- and molecular-scale systems in chemistry, biology, or physics with relevance to real-world challenges.
3. Analyze how artificial intelligence enhances or complements traditional simulation approaches in solving societal problems.

Assessment Methods:

Quizzes	50%
Assignment 1	25%
Assignment 2	25%

Course Code: G1129	Course Name: Chinese for Management
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	•Note: The Instruction and assessments are conducted in Chinese (Mandarin). •Restriction: This course is **ONLY** offered to non-native Chinese speaker with Chinese language level of HSK level 4 and above

Brief Introduction:

Content of this course:

This course is designed for pre-intermediate or intermediate Chinese language learners. It is delivered in a dialogic and discussion-based format to cover fundamental management knowledge and typical cases, aiming to help learners to improve their overall Chinese proficiency while acquiring management-related knowledge. Ultimately, learners will be able to apply what they have learned to analyze and solve practical management problems.

Outcome of this course:

1. Comprehend both intermediate Chinese vocabulary and management-specific terms/concepts/theory.
2. Demonstrate communicative competence and problem-solving skills in managerial contexts through applied vocabulary and knowledge.

Assessment Methods:

Assignment	40%
Presentation	30%
Test	30%

Course Code: G1130	Course Name: Business Chinese
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	•Note: The Instruction and assessments are conducted in Chinese (Mandarin). •Restriction: This course is **ONLY** offered to non-native Chinese speaker with Chinese language level of HSK level 3 and above

Brief Introduction:

Content of this course:

This course aims to develop students' foundational knowledge and communication skills in Business Chinese. Through dialogic and discussion-based learning, students gain familiarity with expressions used across diverse workplace contexts and cultivate the ability to apply the Chinese language effectively in cross-cultural interactions and professional business communication.

Outcome of this course:

1. Comprehend fundamental knowledge of business Chinese and specialized terminology.
2. Demonstrate common business expressions and accurate Chinese vocabulary to communicate effectively in various business contexts.

Assessment Methods:

Assignment	30%
Presentation	30%
Test	40%

Course Code: G1131	**Course Name: Practical Skills in English-Chinese Interpretation**
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Language Requirement: This course is offered **ONLY** to native speakers of Mandarin. Non-native speakers may also enroll, provided they are able to understand and speak fluently in both English and Mandarin Chinese.

Brief Introduction:

Content of this course:

This practical course is designed to develop students' skills and techniques in English-Chinese interpreting. With an emphasis on core interpreting strategies and hands-on competence, the course equips students with essential tactics for achieving effective bilingual communication. Students will learn to identify and extract key information, organise message structure, and deliver accurate, fluent oral renditions in the target language. The course focuses on interpreting speeches of a descriptive nature across a wide range of topics, including sports, tourism, education, ceremonial speeches, politics and international relations, science and technology, energy and environment, economy and trade, medical care and public health. Through intensive training, students will expand their vocabulary, improve information processing, and produce accurate interpretations that align with professional standards. By the end of the course, students will be well prepared for competent and confident performance as aspiring interpreters.

Outcome of this course:

1. Apply the concepts and terminology relevant to the topics presented in the course.
2. Present well-organised passages orally in the target language, employing styles and levels of diction appropriate for a given audience, purpose, and occasion and demonstrating command of a wide range of vocabulary, idiomatic expressions, and linguistic structures.
3. Perform consecutive and simultaneous interpretation effectively.

Assessment Methods:

Quiz	30%
Class presentation	30%
Final Oral Exam	40%

Course Code: G1132	Course Name: Readings in World Modern Chinese Poetry
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	•Note: The Instruction and assessments are conducted in Chinese (Mandarin). •Restriction: Students are required to have a Chinese language proficiency of at least HSK Level 5 or an equivalent level of competence（e.g. pass UEC / SPM Chinese）

Brief Introduction:

Content of this course:

This course will introduce students the world modern Chinese poetry from the May Fourth Movement to contemporary era. Major poets and aesthetic developments will be the focus of the class. The course is designed to stimulate students' interest in modern poetry, improve their ability to appreciate literature, and expand their aesthetic sensibilities.

Outcome of this course:

1. Demonstrate understanding of the major developments and representative poets in modern Chinese poetry across different eras.
2. Interpret poetic language, form and aesthetic significance of modern Chinese Poetry.

Assessment Methods:

Assignment	20%
Presentation	40%
Report	40%

Course Code: G1133	Course Name: Chinese–Malay Bidirectional Translation: Introduction and Practice
Credits: 2	**Field: Arts**
Prerequisite/co-requisite/Others	Requirement: This course requires proficiency in Malay and Chinese Restriction: This course is **NOT** available to students who have already completed G1107

Brief Introduction:

Content of this course:

This course provides basic knowledge, concept, skill, case study, practice and discussion on Chinese-Malay intertranslation, including translation from Chinese to Malay and Malay to Chinese.

Outcome of this course:

1. Perform a basic translation from Malay to Chinese and Chinese to Malay.
2. Demonstrate understanding of knowledge, skill or concept in Chinese-Malay intertranslation.
3. Ascertain the problems encountered during translational process, and specific ways of overcoming them.

Assessment Methods:

Assignment 1	50%
Assignment 2	50%

Course Code: G1135	Course Name: Western Classical Music: Theory, History and Practice
Credits: 3	**Field: Arts**
Prerequisite/co-requisite/Others	This course requires a musical instrument; specifications and purchase arrangements will be advised by the lecturer. No refunds if the course is dropped.

Brief Introduction:

Content of this course:

This course is an introduction to the theory and basic elements as well as the history of Western classical music. All these elements will be reinforced through practical sessions on recorder technique, supplemented by asynchronous guided listening sessions. At the end of course, you should be able to play a simple melody on the recorder, and this will form a major part of the assessment.

Outcome of this course:

1. Explain the basic elements of music.
2. Demonstrate a good understanding of the aesthetic qualities of a piece of music.
3. Perform simple melodies on the recorder.

Assessment Methods:

Quiz	20%
Guided Listening Response Papers	40%
Practical Examination	40%

Course Code: G1136	Course Name: Introduction to Phonetics
Credits: 2	**Field: Arts**

Brief Introduction:

Content of this course:

The topics covered include articulation, acoustics, phonetic transcription, etc. in phonetics. The manners of articulation and places of articulatory gestures for all vowels and consonants in English and Mandarin will be discussed whenever pertinent. Students will learn to correctly pronounce and write the International Phonetic Alphabet (IPA) representations of all vowels and consonants in both Chinese and English after taking this course.

Outcome of this course:

1. Describe general knowledge and understanding of phonetics.
2. Apply the appropriate pronunciation and usage of both Chinese and English.

Assessment Methods:

Assignment	30%
Presentation	30%
Final Examination	40%

Course Code: G1137	Course Name: Agentic AI and Workflow Automation for Everyone
Credits: 3	**Field: Arts**
Prerequisite/co-requisite/Others	Restriction: This course is offered **ONLY** to Business and Sciences programs second-year and above students Note: Basic Understanding on Computing & Python

Brief Introduction:

Content of this course:

This course introduces practical agentic AI and workflow automation for solving real-world business problems. Students will learn how LLMs perform tasks such as text-to-SQL, evidence retrieval, exploratory data analysis, and RAG-based reasoning, as well as how to evaluate model outputs and design effective prompts and workflows. The course also covers AI agents, multi-agent systems, and when to use workflows versus agents. Students will explore memory, reflection, and multi-agent coordination to build more capable AI systems. Working in groups, students will apply these concepts to develop a real-world business application, focusing on low-code tools and startup-oriented problem-solving.

Outcome of this course:

1. Understand the basics of Agentic AI and Workflow Automation
2. Analyze Agentic AI and Workflow Automation to Real World Problem
3. Design Agentic AI and Workflow Automation to Real World Problem

Assessment Methods:

Quiz	25%
Practical Test	25%
Project	50%

Course Code: G0201	Course Name: Principles of Economics
Credits: 3	**Field: Business**
Prerequisite/co-requisite/Others	Restriction: This course is **NOT** offered to MAT and PHY students who have already taken SEM107 Microeconomics or/and SEM108 Macroeconomics as a Major Elective.

Brief Introduction:

Content of this course:

This course is a guide to economic literacy and the global economy. It begins with an introduction of economics and the key tools of supply and demand, and how equilibrium is reached in a market economy. The second part of the course introduces a framework to study consumer and firm behaviour. The final part of the course provides an introduction to macroeconomics and economic policy. Students will be required to understand basic economic concepts and analyse problem sets which reflect actual economic phenomena.

Outcome of this course:

At the end of this course, students will be able to:

1. Demonstrate basic knowledge of economics and fundamental economic concepts.
2. Show ability to apply economic theories to analyze micro-economic and macro-economic phenomena in our daily life.
3. Recognize the ability/interest for further studies in the field of economics.

Assessment Methods:

Assignment	20%
In-class test	30%
Final Examination	50%

Course Code: G0202	Course Name: Principles of Marketing
Credits: 3	**Field: Business**
Prerequisite/co-requisite/Others	Restriction: This course is **NOT** offered to ADT students.

Brief Introduction:

Content of this course:

This course introduces students to the broad discipline of marketing. It encompasses marketing's role in a dynamic business environment and introduces students to the concepts and strategies employed by marketers who are facing with the challenges presented by the ever-changing world of business. The aim of the course is to provide students with the conceptual skills necessary to identify and solve marketing problems. The course provides a foundation for those students seeking to pursue further study in marketing; it also covers a broad scope of marketing for those students undertaking only one marketing course.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe the key concepts upon which the practice of marketing is based.
2. Recognize these concepts in the marketplace and in everyday life.
3. Discuss the roles and influence of marketing in the organizational environment.
4. Discuss how to use key marketing concepts in analyzing a range of marketing problems.

Assessment Methods:

Group Assignments	25%
Presentations	25%
Final Examination	50%

Course Code: G0204	Course Name: Business and Administrative Communication
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course integrates theory and practice. It consists of four parts. The first part is known as Basics of Communication, covering such topics as empathy, communication model, and barriers to effective communication; The second part is on Personal Communication Skills including listening and public speaking; The third part examines organizational communication in details; And the final part covers communication in specific settings such as cross-cultural communication, non-verbal communication and communication in job-hunting. This course is highly interactive with rich examples, cases, role plays, and student participation.

Outcome of this course:

At the end of this course, students will be able to:

1. Understand knowledge and understanding of basic communication concepts, principles, and model.
2. Apply communication skills at the workplace, and in the intercultural context, as well as listening and public-speaking skills.
3. Explain how to build organizational communication network.
4. Show the ability to apply speaking and writing skills necessary for effective job hunting.

Assessment Methods:

Individual class participation	10%
Team project	50%
Final Examination	40%

Course Code: G0206	**Course Name: Principles of Management**
Credits: 2	**Field: Business**
Prerequisite/co-requisite/Others	Restriction: (1) This course is compulsory for EGE students and **cannot** be selected as a General Elective. (2) This course is **NOT** offered to MAT and PHY students who have already taken SEM106 Principles of Management as a Major Elective.

Brief Introduction:

Content of this course:

The course focuses on research and discussion of the fundamental concepts and theories in management and provides a necessary theoretical foundation for students to further study in other related courses.

Outcome of this course:

At the end of this course, students will be able to:

1. Demonstrate knowledge and understanding of the fundamental concepts of management theories
2. Demonstrate ability to apply basic analytical and problem-solving skills in organization management

Assessment Methods:

Assignment/Report of Management Analysis/Case Study	40%
Quiz	20%
Final Examination	40%

Course Code: G0208	Course Name: Introduction to Finance
Credits: 2	**Field: Business**
Prerequisite/co-requisite/Others	Restriction: This course is **NOT** offered to MAT and PHY students who have already taken SEM202 Principles of Finance as a Major Elective.

Brief Introduction:

Content of this course:

This course introduces the basic financial concepts and tools that encompass financial management that non-business majors would be able to appreciate. Upon completion of the course, students will be able to appreciate at a basic level the financial markets they are likely to encounter in a general business environment.

Outcome of this course:

At the end of this course, students will be able to:

1. Demonstrate knowledge and understanding of the fundamental concepts of financial theories and financial markets.
2. Appreciate the fundamentals of asset pricing models, the importance of risk in making investment choices and demonstrate the ability for investment appraisal.

Assessment Methods:

Continuous Assessment	50%
Final Examination	50%

Course Code: G0209	Course Name: Introduction to Entrepreneurship
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

The course presents a formal analysis of entrepreneurship in theory and practice leading on to a consideration of creativity and business concept generation. The course concludes with the practical application of these theories and concepts in business planning and business concept presentation.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe and explain the concept of entrepreneurship and the types and characteristics of small businesses.
2. Recognise and recall the psychological theories of entrepreneurship and analyse how entrepreneurs acquire resources and persuade others to invest in their novel venture.
3. Identify the various environmental factors, external to the individual, which can influence the extent of entrepreneurship in society.
4. Describe and discuss the concept of social enterprise and corporate social responsibility.
5. Outline how entrepreneurship connects to innovation in large businesses.

Assessment Methods:

Group Assignment/ Report of Business Plan Analysis	40%
Mid-Term Test/ Quiz	20%
Final Examination	40%

Course Code: G0210	Course Name: Introduction to Personal Financial Planning
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

The course covers both theoretical and practical aspects of personal financial planning and educate the students to make wise decision and practices in managing their savings and spending. The course also provide the fundamental financial knowledge for students to survive in the globalization environment although their core is non-financial background. The course will cover several topics such as planning with personal financial statements, applying time value concepts, banking and interest rates, managing credits, purchasing and financing a house, insurance planning and investing fundamentals.

Outcome of this course:

1. Learn to make wise decision and practices in managing their savings and spending.
2. Apply time value of money concepts and explain the risk and return in financial and investment planning.
3. Demonstrate a comprehensive understanding of financial planning concepts and application in making personal financial decisions.
4. Describe the importance and basic practice in personal budgeting, investment planning, insurance planning, personal debt management and retirement planning.
5. Describe the types, characteristics, and appropriate use of types of personal loan, house loan and insurance policies.

Assessment Methods:

Group Assignment/Report of Personal Financial Plan Analysis	40%
Continuous Assessment	20%
Final Examination	40%

Course Code: G0211	Course Name: Introduction to Advanced Mathematics I
Credits: 3	**Field: Business**
Prerequisite/co-requisite/Others	Restriction: This course is offered **ONLY** to CHS, ENG, ADT, JRN, COS, SWE, DMT and TCM students.

Brief Introduction:

Content of this course:

This course introduces students to single variable calculus. Topics covered include limits and continuity, differentiation, chain rule, implicit differentiation, maximum and minimum, definite integral, area, volume, series, test of convergence, Taylor series.

Outcome of this course:

At the end of this course, students will be able to:

1. Apply the concepts of single variable calculus and infinite series.
2. Compute limits, derivatives and integrals using appropriate methods.
3. Determine a suitable method in single variable calculus to solve various related problems.

Assessment Methods:

Coursework	40%
Final Examination	60%

Course Code: G0212	Course Name: Introduction to Advanced Mathematics II
Credits: 3	**Field: Business**
Prerequisite/co-requisite/Others	Restriction: This course is offered **ONLY** to CHS, ENG, ADT, JRN, COS, SWE, DMT, CME and TCM students. Pre-requisite: G0211 Introduction to Advanced Mathematics I or BSC112 Engineering Mathematics I

Brief Introduction:

Content of this course:

This course introduces students to multivariable calculus. Topics covered include three-dimensional geometry, conics, quadric surfaces, polar coordinates, cylindrical coordinates, spherical coordinates, partial derivatives, gradient, maximum and minimum, double integrals, triple integrals, divergence, curl, line integrals, surface integrals, Green's Theorem, Gauss's Divergence Theorem, Stokes's Theorem.

Outcome of this course:

At the end of this course, students will be able to:

1. Apply the concepts of multivariable calculus.
2. Compute partial derivatives, multiple integrals or vector integrals.
3. Identify the correct strategy to solve a problem related to multivariable calculus.

Assessment Methods:

Coursework	40%
Final Examination	60%

Course Code: G0216	Course Name: Accounting for Decision Making
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This subject covers the basic concepts and principles of financial accounting including the application of accounting concepts in business recording, processes and preparing financial statements in accordance with IFRS, in addition, this course introduces the accounting equation , elements such as assets, liabilities, equity, income and expenses, components of financial statements, statement of financial position, comprehensive income statement, statement of cash flow and changes in equity statement (how they relate to each other). This course also introduces the basic financial statement analysis and the simple items of assets and liabilities such as cash, inventories, receivables, payable, provisions and contingent liabilities.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe the nature and purpose of financial statements
2. Interpret and apply the concepts, conventions and rules underlying the preparation of major accounting reports
3. Analyse financial and managerial decision making and the different accounting information that supports these decisions

Assessment Methods:

Assignments	40%
Mid-term test and Quiz	20%
Final Examination	40%

Course Code: G0218	Course Name: Introduction to Legal Studies
Credits: 3	**Field: Business**

Brief Introduction:

Content of this course:

This course is to provide the fundamental and basic knowledge of the law, concept, sources and development process of the selected laws, contract formation, interpretation of the meaning and characteristics, the establishment of the contract, the performance of the contract, termination of the contract, the establishment of legal rights and obligations, breach of contract remedies, an overview of tort law, the elements of tort of negligence, remedies for personal and professional negligence, the legal form of commercial organization, individual enterprises, partnership, corporation, liability under corporation law and to understand how to deal with different issues in different environment.

Outcome of this course:

At the end of this course, students will be able to:

1. Interpret and apply the basic legal rules and principles arising in the Malaysian and Chinese legal systems
2. Understand the principal concepts and sources of law in Malaysia and China to identify and analyse legal issues
3. Illustrates coherent and logical legal arguments using the four-step process approach
4. Apply relevant legal concepts and principles to analyse and solve case studies

Assessment Methods:

Class test/ Quiz	30%
Assignment	20%
Presentation of Case Study	50%

Course Code: G0220	Course Name: Introduction to Operations Management
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

The course focuses on fundamental concepts and theories in operations management and provides a necessary knowledge for students to further study in other related courses.

Outcome of this course:

At the end of this course, students will be able to:

1. Understand fundamental concepts and principles of operations management in modern business.
2. Apply project management, forecasting, quality management, process selection, supply chain management, inventory management, material requirement planning, and just-in-time systems.
3. Analyse current and relevant issues in operations management while doing a business.

Assessment Methods:

Group Assignments	25%
Presentations	25%
Final Examination	50%

Course Code: G0221	Course Name: Business Strategy
Credits: 2	**Field: Business**
Prerequisite/co-requisite/Others	Restriction: This course is compulsory for EGE students and **cannot** be selected as a General Elective.

Brief Introduction:

Content of this course:

The course introduces students to the theory and practice of business strategy with a global and interdisciplinary perspective. It contains five related components:

(1) environment analysis,

(2) enterprise resources and capability,

(3) corporate and business level strategies,

(4) value-chain and business model innovation,

(5) the strategy processes.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain the basic theories and best practices of business strategy
2. Apply learnt theories and practices into solving strategic problems in real-world situation

Assessment Methods:

Continuous assessment	100%

Course Code: G0224	Course Name: Critical Thinking Skills
Credits: 3	**Field: Business**

Brief Introduction:

Content of this course:

This course explores issues about the nature and techniques of critical thought, viewed as a way to establish a reliable basis for our claims, beliefs and attitudes about the world. The components of this course are critical writing, informal logic and epistemology. The content of the course is largely philosophic but most of the application exercises will be centered on topics related to leadership. Students will analyze ideas in texts and lectures, learn how to critique and construct arguments and analyze problems in complex systems. They will also examine the ways that powerful groups and people can influence notions of truth.

Outcome of this course:

At the end of this course, students will be able to:

1. Justify their own assumptions and biases and understand the impact these have on decision-making.
2. Demonstrate their own thinking style and habits and appreciate those of others.
3. Apply decision-making models and apply them to their own scenarios in order to make better decisions.
4. Investigate situations through asking better questions that foster innovation.

Assessment Methods:

Group Assignment	30%
Group Presentation	20%
Final Exam	50%

Course Code: G0226	Course Name: Auditing for Beginners
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course is an introduction course in Auditing and it will introduce students to the concepts and principles of auditing. Emphasis will be given on external and statutory auditing. Among the topics covered in the course include; Introduction to Audit and Assurance, Auditor Code of Ethics, Auditor's Independence, Audit Planning, Audit Evidence, Corporate Governance and Internal Audit, Going Concern and Audit Report.

Outcome of this course:

At the end of this course, students will be able to:

1. Understand the basic concepts of auditing and assurance
2. Discuss the use of audit planning and audit evidence
3. Discuss the different types of audit report

Assessment Methods:

Assignment	20%
Mid-term Examination	40%
Final Examination	40%

Course Code: G0227	Course Name: Introduction to FinTech
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course introduces the basic of financial technology (FinTech), through covering its definition, history, its importance and Its applications that business and non-business majors would be able to appreciate. Upon completion of the course, students will be able to appreciate at a basic level the general overview of the issues and applications available in FinTech innovations like artificial intelligence (AI), big data, blockchain, machine learning, internet of things (IoT) devices, which are the tools that will play a crucial role in boosting the financial sector and digital economy.

Outcome of this course:

At the end of this course, students will be able to:

1. Clarify the major areas in FinTech, including Money and Payment, Digital Finance and Alternative Finance
2. Explain the major technological trends, including cryptocurrencies, Blockchain, AI and Big Data
3. Infer what is Islamic Fintech

Assessment Methods:

Team Project	60%
Team Presentation	30%
Participation	10%

Course Code: G0228	Course Name: Fundamentals of Digital Marketing
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This is a comprehensive introductory course on digital marketing from a multidimensional perspective. It aims to introduce students on the fundamental knowledge of the digital marketing realm. This course will be beneficial for students who wish to have the ability to plan, organize, lead and control digital marketing campaigns and content across various E-marketing and social media platforms. The course focuses on research and discussion of the fundamental concepts, models and theories in digital marketing and provide a necessary theoretical and basic practical foundation for students to further study in other-related courses.

Outcome of this course:

At the end of this course, students will be able to:

1. demonstrate knowledge and understanding of the fundamental principles of digital marketing.
2. analyse by applying the basic planning, organizing, leading and controlling skills for digital marketing.

Assessment Methods:

Group Assignment	40%
Final Examination	60%

Course Code: G0231	Course Name: Enterprenuership and Sustainable Development
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

The humanity is gearing towards 17 Sustainable Development Goals as agreed by over 180 countries at the United Nations in the year 2015. There is a tremendous potential for the youth to capitalize on the numerous business opportunities that have unfolded as a result. The key objective of this course is to offer students the broad picture of entrepreneurship with a special focus on startup eco-systems. This course would enable students to practically identify business opportunities and relate them to sustainable development goals. Hands on sessions supported by seminars, case studies, guest lectures and practical (group and individual) exercises would enable students to create value proposition canvas, business model canvas, minimum viable product (MVP) and cash flow projections. The culmination of all the activities would finally lead students to pitch their business ideas to potential investors as the final assessment.

Outcome of this course:

At the end of this course, students will be able to:

1. Analyse the relationship between the sustainable development goals and existing value chains
2. Apply critical thinking to develop a business idea with outstanding value proposition
3. Develop new business models with a minimum viable product by analyzing the existing business models

Assessment Methods:

Assignment 1 - Elevator Pitch	15%
Assignment 2 - Business Model Canvas	10%
Assignment 3 - Cash Flow Projection	10%
Quiz	25%
Final Pitch	40%

Course Code: G0233	Course Name: Environmental Economics
Credits: 3	**Field: Business**

Brief Introduction:

Content of this course:

This course provides the brief introduction to the environmental economics. The course follows a hierarchy of introductory- and intermediate-level principles that are designed to lead students along and prepare them for the more advanced applications. The course will mainly cover Environmental Issues, Environmental Analysis, Environmental Policies which include carbon tax, Benefits and Costs, Supply and Demand, Markets, Externalities, and Public Goods, Water pollution, Air pollution, and Economic Development and the Environment etc.

Outcome of this course:

At the end of this course, students will be able to:

1. Understand the concept of Environmental Economics
2. Understand the Markets, Externalities, Private and Public Goods
3. Able to conduct and analyze the benefit-cost analysis
4. Able to evaluate a better environmental policy by looking at marginal cost and benefits
5. Able to respond properly about environmental policy and learn how environment and economic development go hand to hand and choose what is the best policy

Assessment Methods:

Assignment	30%
Quiz (online)	20%
Assignment	50%

Course Code: G0234	Course Name: Python Programming in Business
Credits: 3	**Field: Business**

Brief Introduction:

Content of this course:

The course prepares students for machine learning in Python and help students develop a good understanding of applying Python to business applications. This course covers the main Python programming code for business modeling. Real examples and financial data are used for real world applications that strengthen students' programming skills in Python.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain and discuss the key terminology, concepts and tools used in Python.
2. Apply Python to business modeling and evaluate their merits and costs
3. Use computer software to write Python code

Assessment Methods:

Continuous Assessment (Assignment)	20%
Continuous Assessment (Quiz)	30%
Project	50%

Course Code: G0235	Course Name: Microfinance and Development
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

Microfinance has been hailed as one of the most effective tools for combating poverty through loans, grants, insurance and other financial products offered to the poorest of the global poor around the world. This course provides in-depth discussions on these issues, introduces microfinance principles and practices and examines the contemporary debates on microfinance from developmental standpoint. The main objective of the course is to prepare students to take on roles as policy analysts and technical advisers on development tools in banks and financial institutions, foundations, governments, multilateral development organisations and international agencies.

Outcome of this course:

At the end of this course, students will be able to:

1. Understanding the functional mechanism of Microfinance Institutions (MFIs)
2. Understand the MFIs commercialization, transformation, regulation, and corporate governance Issues
3. Able to evaluate different research design in critically assessing the effectiveness of claims about microfinance
4. Able to analyze the global reach of MFIs and their impact on alleviating poverty throughout the world

Assessment Methods:

Mock' Microfinance Project	20%
Mock' Microfinance Project Presentation	10%
Continuous Assessment (Quiz)	20%
Final Project	50%

Course Code: G0241	Course Name: Economics and Society
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This subject introduces the economic analysis of contemporary economic and social issues together with the related policies. The emphasis will be on policy-relevant examples from both the domestic and international contexts. The subject aims to introduce the important role of economic analysis in a globalized world.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain the economic concepts and issues.
2. Apply the economic concepts on the social issues.
3. Report the economic and social issues based on economic concepts.

Assessment Methods:

Assignment	30%
Quiz	30%
Final Examination	40%

Course Code: G0243	Course Name: Accounting and Ethics
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This study helps people to learn about values, morals and ethics, to distinguish between good and bad behaviors and actions. Emphasis is not just on business and corporate ethical governance but also to the individual level where ultimately the actions taken in the name of corporations will in fact be decisions made by individuals, acting either in groups or alone. Values and ethics teaches us how to live, to respond to issues, through the duties, rights, responsibilities and obligations. Directors, executives, and accountants need to understand how to make ethical decisions they can defend to stakeholders. There would be a comprehensive review of standard/classical ethical theories. Each of the topics covered will be supplemented with real life case studies.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain the ethics environment
2. Demonstrate the role played by directors, executives and accountants.
3. Identify ethical issues, the procedures taken before making an ethical decision.

Assessment Methods:

Assignment	30%
Quiz	20%
Final Examination	50%

Course Code: G0244	Course Name: Fundamentals of Research Methods
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course is to provide the students with a framework for conducting research in systematic manner. It will introduce the various research methods including data collection and data analysis. It is also designed for students to learn the art of presenting research idea and findings in informative way.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe the methodologies and basic statistical analysis in Business research (Social sciences)
2. Identify many sources of business information and various means for information gathering
3. Illustrate the suitability of research designs

Assessment Methods:

Assignment	40%
Quiz	20%
Final Examination	40%

Course Code: G0245	Course Name: Chinese Economy
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course covers China's major economic events and institutions since 1949, including the implementation of planned economy, the commune system, the reform and opening up, and the participation in the WTO, with more focus on the latter two events.

Outcome of this course:

At the end of this course, students will be able to:

1. Understand China's major economic events and institutions
2. Understand the causes and consequences of each institutional change
3. Explain and discuss China's economic events

Assessment Methods:

Presentation	40%
Quiz	20%
Final Examination	40%

Course Code: G0246	Course Name: Fundamentals of Supply Chain and Logistics Management
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course covers the understanding between supply chain management and logistics is crucial for businesses to maximize productivity, profitability and application to Omni channel sales. Students will learn about smart factory, sourcing and procurement strategy, demand forecasting, aggregate planning and coordination which refers to the movement, storage, flow of goods, services and information inside and outside the organization and in a global context.

Outcome of this course:

At the end of this course, students will be able to:

1. Identify the scope of supply chain management and the major sources of challenges in supply chain management
2. Propose appropriate operational strategies to improve supply chain performance including the relevant Sustainable Development Goals (SDG)

Assessment Methods:

Classroom Assessment	20%
Mock Project and Presentation	40%
Final Project	40%

Course Code: G0247	Course Name: Introduction to International Business
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

The course emphasizes the importance of understanding and applying international business strategy for the success of today's firms. It also delves into the modes of entry into international business, the benefits of international business to nations, and the global governance of foreign direct investment. Overall, the course provides a comprehensive overview of the many facets of international business, highlighting the challenges and opportunities presented in the global marketplace.

Outcome of this course:

At the end of this course, students will be able to:

1. Identify sufficient knowledge and understanding of key terminology, concepts and tools used in international business
2. Relate basic skills to handle international business.
3. Organise basic knowledge of international business culture, sustainability and business strategy.

Assessment Methods:

Quiz	15%
Group Project	30%
Presentation	15%
Final Examination	40%

Course Code: G0248	Course Name: Introduction to Human Resource Management
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course explores the essential functions of Human Resource Management (HRM) in modern organizations. Student will evaluate HRM-related challenges to gain insights into contemporary issues and applying HRM knowledge effectively to address the human resource related problems.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe the functions of Human Resource Management in and understand how HRM contributes to an organization's performance
2. Apply HRM knowledge to analyze human resource issues in contemporary organizations
3. Propose solutions to overcome the human resource issues faced by contemporary organizations

Assessment Methods:

Assignment	30%
Quiz	20%
Final Examination	50%

Course Code: G0249	Course Name: Principles of Health Economics
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course provides how economics may be helpful to health care business as an essential sector, medical service delivery and health care decision makers. This course introduce the basic concepts of economics and their application to the health sector between theoretical and empirical analysis of the problems of health and medical care. The topics covered including demand and supply for medical care and medical insurance; institutions in the health sector; economics of information applied to the market for health insurance and for health care; the technique of health economic evaluation; economics of health care labor markets, health care production and health care financing.

Outcome of this course:

At the end of this course, students will be able to:

1. Identify the purpose of health economics and basic instruments of economic analysis to resource allocation, planning and management of the health sector
2. Propose health and medical care as one of the social sectors with economic implication and implications of economic development to the health care services

Assessment Methods:

Classroom Discussion	20%
Group Assignment and Presentation	40%
Final Project (Individual)	40%

Course Code: G0250	Course Name: Fundamentals of Electronic Commerce
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

The module aims to introduce the fundamental knowledge of electronic commerce and its application in the corporate world. This includes an understanding of the relevant electronic commerce transaction types, e-marketplaces and e-commerce infrastructure. In this course, participants will be given opportunities to apply entrepreneurship skills in implementing electronic commerce.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain various concepts used in e-business and electronic commerce.
2. Demonstrate entrepreneur skills in implementing online business and electronic commerce projects

Assessment Methods:

Presentation	15%
Project	25%
Final Examination	60%

Course Code: G0251	Course Name: Foundations of Business Analytics
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This is an introductory course on business analytics and provides a practical overview of how businesses use data to make informed decisions and gain a competitive edge by exploring the concepts of data collection, data quality, descriptive statistics, predictive analytics and data visualization.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe the fundamental concepts of business analytics and data analysis
2. Explain the analysis results of the identified business problem
3. Perform business analytics and data analysis to solve business problem

Assessment Methods:

Practical Test	20%
Assignment	30%
Final Examination	50%

Course Code: G0252	Course Name: Introduction to Business Ethics
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course explains the analysis of Ethics for Business. The goal of the course is to help students gain confidence by helping them comprehend the foundations of ethics and by analyzing and communicating the problems with socially responsible corporations. Students will get information about how to provide a framework for recognizing ethical challenges and suitable approaches for businesses to analyze them.

Outcome of this course:

At the end of this course, students will be able to:

1. Discuss the ethical concepts to impart the reasoning and analytical skills needed to apply ethical concepts to business decisions.
2. Identify the elements of business ethics to contrast business practise and professional ethics.
3. Identify the moral issues involved in the management of specific problem areas in business.

Assessment Methods:

Assignment	30%
Quiz	20%
Final Examination	50%

Course Code: G0253	Course Name: Blockchain Finance
Credits: 2	**Field: Business**

Brief Introduction:

Content of this course:

This course provides an introduction to the foundations of blockchain and cryptocurrency through case studies and practical examples. It develops understanding of how blockchain technology emerged, how Bitcoin and Ethereum function, and how smart contracts enable decentralized applications. The course increases awareness of the opportunities and challenges of blockchain, while equipping learners with essential analytical and technical skills to navigate the evolving world of digital finance.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe the fundamental concepts of blockchain technology, Bitcoin, and Ethereum.
2. Apply basic analytical frameworks to evaluate simple blockchain use cases and smart contract applications.
3. Demonstrate awareness of the opportunities and challenges of blockchain in finance through effective discussion and teamwork.

Assessment Methods:

Group Assignment	50%
Final Examination	50%

Course Code: G0302	Course Name: Web Site Design
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

This course will provide a basic understanding of the methods and techniques of developing a simple to moderately complex web site.

Learning Outcomes of this course:

1. Construct a simple web site using the standard Web site language.
2. Use the foundation design language such as HTML and CSS.
3. Use a web editor such as Notepad to build web site.
4. Apply a second web based language to improve the web site design.

Assessment Methods:

Assignments	60%
Final Project	40%

Course Code: G0311	Course Name: Physics in Movies
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

The course focuses on physics problems appear in movie. Why an apple falls but does not the moon? Why can't we pass through the wall? Can humans become immortal? Can time be reversed? Through the popular movies, our discussion will cover from atoms to galaxies, from religion to philosophy. This will be a course that completely change your way of thinking.

Outcome of this course:

At the end of this course, students will be able to:

1. Interpret scientifically when they watch movies and face problems in daily life
2. Use physics laws to explain the natural phenomena surrounding them.
3. Appreciate contributions of physicists to our world.

Assessment Methods:

Quiz	30%
Presentation	20%
Project	50%

Course Code: G0314	Course Name: A Brief History of Astronomy
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course will cover the historical development of astronomy, starting from the development of various models of our Universe, the discovery of gravity, the Space Race, the different space missions and their implications, all the way up to the latest advancements in the field.

Outcome of this course:

At the end of this course, students will be able to:

1. Account for the past and recent theories, applications and developments in the field of astronomy.
2. Report on recent developments and advancements in the field of astronomy.

Assessment Methods:

Quiz	30%
Coursework	70%

Course Code: G0316	Course Name: Introduction to Marine Animals
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces the common marine animals, their ecological role, adaptation and the importance to human beings.

Learning Outcomes:

- Acquire the biological knowledge on common marine animals.
- Comprehend the ecological role and adaptation of marine animals.
- Evaluate the importance of marine animals to human beings.

Assessment Methods:

Quiz	10%
Presentation	20%
Assignments	40%
Final Examination	30%

Course Code: G0319	Course Name: Climate Change and Your Future
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

This course will cover the basics of the science of climate and address the major modes and how the climate is changing. It will then go on to look at the present and future impacts of climate change, including economic impacts. The politics of climate denial will also be discussed.

In-class discussions are an important part of this class. The science is presented, but the students need to be encouraged to think critically about the topic and its implication for their future, based on the science. Some tutorial time will be used for this, discussions of relevant climate articles in the news, and reviewing the scientific facts.

Learning Outcomes:

- Assess the factual information about climate science.
- Apply their scientific knowledge about climate change
- Demonstrate critical thinking about climate change denial and viewpoints

Assessment Methods:

Quizzes	10%
Assignments	20%
Participation	10%
Mid-term Examination	20%
Final Examination	40%

Course Code: G0320	Course Name: Biomedical Revolution: Towards Better Life
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

The global impact of biomedical revolution is beneficial to global health and countries which lead the development of this field is capitalized it as endless resources. The late 20th century raised great hopes that the new gene and stem cell therapies would revolutionize many forms of treatment, but the early 21st century moderated that optimism as while some techniques achieved success, others showed slow, patchy progress. This course allows students to join the journey of modern medicine particularly new treatments for cancer and neurodisorders to stem cells therapy. Concepts will cover: the general knowledge of emerging diseases occur in our surrounding, how public should react and their responsibility; the understanding of treatment for cancer disease; gene editing and advancement in treating sexually transmitted disease; healthy ageing as an important part of human life; the study of metabolism disease; immune responses; improved medical techniques and instrumentations; the relationship of global healthcare and capitalism, and society.

Learning Outcomes:

- Recognise the contribution and accomplishments of significant people throughout the past experience worldwide that brought to our biomedical science today.
- Explain scientific evidence formed in various topics of biomedical knowledge.
- Express diversify opinions on public health issue and address some of the most critical global needs to shape better life for mankind.

Assessment Methods:

Quizzes	20%
Assignment	20%
Presentation	20%
Final Examination	40%

Course Code: G0321	Course Name: Imagined Futures of Technology and Society
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

Why was the wheel invented? Why was Socrates sentenced to death, and Galileo put under house arrest? What led to the collapse of Thomas Edison's General Electric? Did Hitler narrowly obtained Nuclear Power? This course gives a peek inside the vast and illustrious historical and contemporary world of the working relationship between science and society. Students will draw from the lessons of history to make informed decisions that guide the progress of science and technology in this challenging era.

Learning Outcomes:

- Generate concepts and ideas of relationships between science, technology and society, through discussions and debates with a diverse audience
- Influence ideas and propositions on solutions to issues in science, technology and society to a diverse audience effectively, taking into account the cultural, language (jargons) and background of the audience
- Identify and relate the issues, progress, and development of science and technology in human history, from past to present, in tandem with societal progress
- Display entrepreneurial thinking in managing and influencing science and technology in the socioeconomic context, including usage of technology to influence policy, or carving policy to incluence technological development
- Propose and advocate for good science and public policy decisions that fosters the progress of science and technology in society at large, with sensitivity to the local and global ethical, social and cultural context

Assessment Methods:

Written Assessments	20%
Project Presentation	40%
Project Report	40%

Course Code: G0327	Course Name: Chemistry Is Everywhere I
Credits: 3	**Field: Science**

Brief Introduction:

Contents of this course:

This course aims to enhance students' scientific understanding of the chemistry related to consumer products. Topics that will be discussed include: soaps, laundry, and cleaning products; cosmetics, personal care and bathroom products, household and office supply products; lighting and electronic products.

Outcome of this course:

1. identify the chemicals present in consumer products
2. describe the chemistry involved in the production and application of consumer products
3. determine/estimate the convenience, economy, and chemical safety of a product

Assessment Methods:

Assignment	20%
Quizzes	60%
Project	20%

Course Code: G0328	Course Name: Chemistry in Materials
Credits: 2	**Field: Science**

Brief Introduction:

Contents of this course:

This course provides fundamental knowledge of the properties of structural materials, especially metal/alloys, polymers, ceramics, and composites in chemistry perspective. The course covers the basic knowledge of the material extractions to everyday applications, including impacts on the environment.

Outcome of this course:

1. Distinguish types of elemental materials and their alloys.
2. Demonstrate knowledge and understanding of the fundamental concepts in material extraction, production and their applications.

Assessment Methods:

Assignment	20%
Quiz 1	20%
Quiz 2	30%
Project	30%

Course Code: G0334	Course Name: What's on your plate? Food technology around the world
Credits: 3	**Field: Science**

Brief Introduction:

Contents of this course:

Do you know how the cooking tools and method been invented? Do you understand what you eat and how the technology helps you to monitor your calories intake? Do you notice how food brings people together? The aim of this course is to expose the technology behind the foods in terms of culture, region, cooking techniques of different type of foods, invention and innovation of cooking electrical appliances, sustainable food quality and safety, also the cost effective way in handling healthy food preparation and delivery nowadays and in the future. The students would be able to extend their understanding of food science and technology, also to apply and communicate that knowledge to meet their needs in daily life and society.

Outcome of this course:

1. Describe a good fundamental understanding of how food science and technology progresses in the society, through discussion with a diverse audience
2. Discuss the development of science and engineering in food technology that affect the human culture, society and practice
3. Present the basic concept of entrepreneurial thinking in the context of food industry including the influence of technology

Assessment Methods:

Assignment	40%
Presentation	20%
Final Project	40%

Course Code: G0336	Course Name: Data Management and Artificial Intelligence
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces basic programming techniques to implement simple data management. Furthermore, the course provides a principle of artificial intelligence and its applications. The course assist the student to acquire a general knowledge regarding data management and Artificial intelligence.

Outcome of this course:

At the end of this course, students will be able to:

1. Underline the basic programming principles
2. Comprehend Data management and its implementation
3. Demonstrate the basic principles of Artificial Intelligence

Assessment Methods:

Assignments	60%
Test	40%

Course Code: G0338	Course Name: There's Plenty of Room at the Bottom
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

The course of There's Plenty of Room at the Bottom is designed to transform the hard-to-understand into easy-to-learn overview of nanotechnology. This course teaches students about basic concepts of nanotechnology in the real-world implementation. Students will be flourished with the nanotechnology-related contents depicted from science-fiction movies.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe the basic concepts of nanotechnology
2. Discover the applications of nanotechnology in daily life.
3. Show the ability to communicate effectively the knowledge of nanotechnology

Assessment Methods:

Quizzes	50%
Assignments	50%

Course Code: G0339	Course Name: First Step into MATLAB for undergraduates
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course is for students who wish to learn MATLAB for the first time. It introduces the fundamental of MATLAB programming language, which is useful to all undergraduate students from various disciplines.

Outcome of this course:

At the end of this course, students will be able to:

1. Describe the concept of MATLAB software and the built-in MATLAB functions.
2. Apply the MATLAB programming language to solve problems.

Assessment Methods:

Assignments	30%
Quiz	20%
Final Examination	50%

Course Code: G0341	Course Name: Globalization and Sustainable Development
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course will give key insights on aspects of globalization, its effect on environment and uneven global development. Students will be able to identify the pros and cons of globalization and its effect on cultures around the world. Important key features of industrialization, food insecurity and sustainable development goals will be discussed and analyzed.

Outcome of this course:

At the end of this course, students will be able to:

1. Discuss the key features of globalization and its effect on environment and culture around the world.
2. Outline the concept of cultural diversity, aspects of personal identity and dangers of stereotypes.
3. Evaluate population pyramids and its connection to industry sectors, concept of social inequality and sustainable development goals.

Assessment Methods:

Assignment 1	30%
Assignment 2	30%
Report and group presentation	40%

Course Code: G0343	Course Name: Application and method of TCM massage and scraping health care
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

The application and method of Traditional Chinese Medicine massage and scraping health care therapy mainly introduces the basic theory and application of massage and scraping, as well as the specific application of massage and scraping in strengthening the human body constitution. Traditional Chinese medicine massage and scraping health care therapy is one of the traditional Chinese medicine health care rehabilitation therapy. This course mainly introduces the methods of health care and rehabilitation in Traditional Chinese medicine. The approaches proposed aim to mitigate the effects of dysfunction and ultimately to return to society in an improved condition.

Outcome of this course:

At the end of this course, students will be able to:

1. Comprehend the theory, concept and principles of Traditional health care therapy of Chinese Medicine.
2. Perform appropriate methods and techniques of Scraping to prevent and treat common diseases.
3. Perform appropriate methods and techniques of Tuina to prevent and treat common diseases.

Assessment Methods:

Quiz	30%
Practical report	70%

Course Code: G0349	Course Name: Brief History of Biomedical Revolution
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course will provide an introduction to students on the history of modern medicine, an overview on professionalization, specialization and industrialization of medicine from 1800 to present. Concepts will cover: the responsibility of medical practioners; the understanding of healing and suffering; surgery and the role of anesthesia; the study of human anatomy; improved diagnostic techniques; cells and microbiology; public health and ethics.

Outcome of this course:

At the end of this course, students will be able to:

1. Explain the contribution and accomplishments of significant people in the medical history that brought to our biomedical science today
2. Explain the development of scientific methodologies that formed scientific evidence in medical knowledge
3. Discuss current issues and challenges facing the medical technology and healthcare system today

Assessment Methods:

Assignment	20%
Quizzes	20%
Presentation	20%
Final Examination	40%

Course Code: G0353	Course Name: Introduction to Chinese Medicine
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

Traditional Chinese Medicine (TCM) has been proven clinically effective, however not well understood by the general public. This module aims to provide an overview of Traditional Chinese Medicine by describing its basic theories, methodology of diagnosis and examination of the patient, which allow the differentiation of syndromes. The Module also introduces Chinese Materia Medica, acupuncture and moxibustion.

Learning Outcomes:

1. Describe basic theories of Traditional Chinese Medicine.
2. Comprehend diagnostics in Traditional Chinese Medicine
3. Comprehend basic herbs, formation of herbal formulae and basic theory of acupuncture in Traditional Chinese Medicine.

Assessment Methods:

Quiz	40%
Presentation	60%

Course Code: G0355	Course Name: Introduction to Remote Sensing
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course covers the basic concepts and operational skills of remote sensing and the use of digital imagery on different environmental applications.

Learning Outcomes:

1. Identify the conceptual foundations and operational characteristics of common forms of remote sensing data.
2. Demonstrate appropriate basic procedures of digital image acquiring and processing for a broad range of disciplines and applications.
3. Apply digital image processing techniques to analyze satellite imagery for analysis in environmental monitoring.

Assessment Methods:

Quiz	20%
Practical Report	40%
Mini Project	40%

Course Code: G0357	Course Name: Fundamental of Forensic Science
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course provides students with a foundational understanding of forensic science principles. It introduces key examination methods and tools used in forensic work, covering various types of evidence and how they are collected, documented, analyzed, and presented in court, all while upholding integrity and ethical conduct.

Learning Outcomes:

1. assess the various principles, techniques, and applications employed in forensic science
2. demonstrate the outcomes of criminal investigations by analyzing real-world forensic case studies
3. demonstrate professional practices and ethical conduct in crime scene management

Assessment Methods:

Quiz	30%
Assignment	30%
Video Project	40%

Course Code: G0359	Course Name: Water Motions in the Global Ocean
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces the motions on the global ocean. There is a variety of motion types in the ocean, which span a wide time and space scales, such as surface waves, internal waves, eddies, geostrophic currents, etc. These motions play crucial roles in transporting matters and energy in the ocean. From the perspective of physics, this course explains the patterns and causes of those motions, particularly the distinctive feature of water motions under Earth rotation compared with the fluid motions in the life.

Learning Outcomes:

1. Explain the dynamic causes of various motion types in the global ocean
2. Analyze the oceanic responses to the wind forcing

Assessment Methods:

Quiz	30%
Final Examination	70%

Course Code: G0361	Course Name: Sensors for Modern Day Applications
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

The course aims to enable students to acquire sufficient understanding and knowledge about sensors. The fundamentals of sensors, applications of modern sensors will be introduced in this course.

Learning Outcomes:

1. Demonstrate understanding about the basic concept of general sensors and applications
2. Choose appropriate sensors for different industrial applications

Assessment Methods:

Quiz	20%
Assignment	40%
Final Examination	40%

Course Code: G0362	Course Name: Science and Nature
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

For many of the challenges we face, nature has a solution. This is so called-biomimicry. Biomimicry is a practice that learns from and mimics the strategies found in nature to solve human design challenges and find hope. Innovators turn to biomimicry with the hope of achieving a unique product that is efficient and effective. This course consists of understanding the basics of how biomimicry works and then finding biomimicry-related solutions to problems within the science, engineering, architecture, and other innovations domain.

Learning Outcomes:

1. Describe the basics of how biomimicry works and biomimicry-related solutions to problems.
2. Explain the fundamental properties and functions of selected discoveries, engineering, architects, and other innovations inspired by nature

Assessment Methods:

Quiz	40%
Final Report	60%

Course Code: G0366	Course Name: Wireless Technology for Preserving the Environment
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

This course describes the various opportunities to protect and preserve the environment with the advent in wireless technology especially in speed, capacity and connectivity. Topics covered include but are not limited to the basics of the fifth and sixth generations (5G and 6G) mobile networks, energy efficiency, renewable energy, carbon emissions, wildlife, weather, agriculture and, waste reduction.

Learning Outcomes:

1. Explain the benefits of wireless technology to sustainable environment
2. Identify the wireless technology solution in tackling energy, climate, waste management, and improved agriculture output
3. Demonstrate the need for wireless technology in real life applications

Assessment Methods:

Quizzes	20%
Assignment	30%
Final Exam	50%

Course Code: G0367	Course Name: Energy Demand Management
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces the importance of energy demand management to manage the energy usage of end-users in such a way that optimizes the utilization of energy supplies. It covers three major strategies of energy demand management such as energy efficiency, energy conservation and demand response. In addition, challenges of implementing energy demand management strategies will also be discussed. The course aims to benefit end-users by spending less money on monthly electricity bills.

Learning Outcomes:

1. Explain three major strategies of Energy Demand Management.
2. Assess the impact of Energy Demand Management to reduce energy demand for end-users.

Assessment Methods:

Quiz	20%
Assignment	30%
Project	50%

Course Code: G0368	Course Name: Introduction to IT
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course provides fundamental computer knowledge designed for individuals without a technical background. It provides an introduction to computer components, software, information security, ethics and social issues, while also imparting basic understanding and the trend in the application of networking, multimedia and database technologies.

Learning Outcomes:

1. Apply the fundamental knowledge of computer basics, hardware, software, information security and cyber security to solve IT related problems
2. Describe the evolving trends in the application of multimedia, networking, and databases in relation to a specific domain.
3. Present computer-related technologies and wide-ranging applicability of computing in the real world.

Assessment Methods:

Group Assignment	40%
Presentation	20%
Final Assignment	40%

Course Code: G0369	Course Name: Nature's Mysteries and Scientific Inventions
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course offers a time capsule of the science and technology evolution. From unraveling the mysteries of universe to exploring the transformative power of technology, students will identify key milestones in scientific inventions, confront climate changes and speculate on the future through the lens of science.

Learning Outcomes:

1. Demonstrate simple knowledge and understanding on the evolution of science and nature
2. Identify the impact of technological advancement on the future of mankind through the lens of science

Assessment Methods:

Quiz	30%
Assignment	30%
Final Presentation	40%

Course Code: G0371	Course Name: The Magic of Semiconductor Technology
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

The aim of this course is to introduce the importance of semiconductor widely. Currently, the war of microchips rises as technologies, such as gadgets, mobile phones, sensors, rfid, and etc. are increasing towards the modern world. In this course, together we explore the applications of semiconductors, how can the small chip magically becoming one of the most important thing in the world, and why semiconductors are important throughout our daily lives.

Learning Outcomes:

1. Explain the involvement of semiconductor industries to the world
2. Study the importance of semiconductors technologies in daily life
3. Present the innovative technologies based on semiconductor industries

Assessment Methods:

Quiz	30%
Report	30%
Presentation	40%

Course Code: G0372	Course Name: Beyond the Stars: Exploring the Mysteries of the Universe
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

What is the universe made of? How did it get this way? How big it is? Where did it come from, and where is it going? Are we alone in it? And most importantly, what difference does this all make to me? This course will try to answer all these questions while navigating our understanding of the universe through different periods of human history. We will discuss how the latest technological achievements have shaped our perspective about the universe. Finally, we discuss the future implications of the new big picture of the universe for our planet, for the human race as a whole, and for each of us personally.

Learning Outcomes:

1. Explain the evolution of the understanding of cosmology through different periods of human history.
2. Study the basic understanding of different forces of nature and the building blocks of the universe.
3. Explain the relationship between humanity and the universe

Assessment Methods:

Written Assessments	20%
Project Presentation	40%
Project Report	40%

Course Code: G0375	Course Name: Fundamentals of Artificial Intelligence (AI)
Credits: 2	**Field: Science**
Prerequisite/co-requisite/Others	Restriction: This course is offered **ONLY** to Business, Mathematics and Arts & Social Sciences programs second-year and above students

Brief Introduction:

Content of this course:

The course aims to introduce students to the fundamental concepts of artificial intelligence (AI). It will cover topics such as knowledge representation, search strategies, machine learning and deep learning techniques. By the end of the course, students will have a solid understanding of core AI principles, key problem-solving approaches, and the practical applications of AI.

Learning Outcomes:

1. Describe broad knowledge of the basics of Aritifical Intelligence.
2. Perform tasks using the principles of artificial intelligence techniques, including search algorithms, machine learning, deep learning, and learning from examples.
3. Analyse various Artificial Intelligence (AI) algorithms based on their fundamental principles

Assessment Methods:

Assignments	50%
Project (Presentation and Demonstration)	50%

Course Code: G0376	Course Name: Food and Nutrition
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

The course covers functions of nutrients, principles of nutrition, physiology and health, dietary planning, nutritional communication essentials, and food product development.

Learning Outcomes:

1. Apply knowledge of food and nutrition to assess dietary needs and make informed choices.
2. Demonstrate effective communication skills in explaining and promoting food and nutritional concepts
3. Display entrepreneurship principle in food product development

Assessment Methods:

Quiz	20%
Assignment(s)	30%
Final project	50%

Course Code: G0377	Course Name: Chemistry and the Environment
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course explores the role of chemistry in environmental processes and issues. Through real-world examples, students will learn how chemical principles influence air, water, and soil quality, as well as environmental pollution and sustainable practices. The course emphasizes the connection between chemistry and environmental stewardship.

Learning Outcomes:

1. Comprehend the basic principles of chemistry in the environment
2. Explain the chemical processes related to environmental problems and chemistry-based solutions
3. Demonstrate the ability to communicate the knowledge of chemistry in the environment

Assessment Methods:

Quizzes	50%
Assignment	30%
Presentation	20%

Course Code: G0378	Course Name: Fish Collection and Preservation
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course unveils the hidden world of natural history museums, exploring how to scientifically preserved fish specimens. Throughout the course, students will engage with scientific exploration of marine fish biodiversity as well as hands-on activities to preserve fish specimens using various preservation tools.

Learning Outcomes:

1. Discover the vast variety of marine fishes in the ocean ecosystem and their adaptation in the marine habitat
2. Perform various fixation and preservation of fish specimens
3. Demonstrate the outcomes of fish specimens preserved using various scientific tools

Assessment Methods:

Quiz	30%
Lab Report	10%
Presentation	10%
Project	50%

Course Code: G0379	Course Name: Environmental Pollution and Society
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces students to the fundamental concepts of environmental pollution and its impact on ecosystems and human society, with emphasis on air, water, soil, and marine environments. It aims to cultivate environmental awareness among non-science students by exploring the causes, effects, and control measures of various pollutants through real-world examples and current global issues.

Learning Outcomes:

1. Describe the major types, sources, and impacts of environmental pollution, including marine pollution
2. Assess the interrelationship between human activities, pollution, and sustainable environmental management
3. Integrate teamwork-driven mitigation strategies and community-based solutions to promote effective pollution control and sustainable living.

Assessment Methods:

Assignment	50%
Presentation	20%
Quiz	30%

Course Code: G0380	Course Name: Introduction to Aquatic Vaccines and Therapeutics
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course covers the fundamental processes of aquatic vaccines and therapeutics development to control diseases in aquaculture and various core of delivery methodology whilst simultaneously addresses the economics, current research, and environmental impacts of sustainable vaccine and therapeutics use in aquaculture.

Learning Outcomes:

1. Identify fish diseases and the fish immune system
2. Discover the development of various aquatic vaccines and therapeutics
3. Identify current research and practices of aquatic vaccines and therapeutics

Assessment Methods:

Quiz	20%
Assignment	40%
Presentation	40%

Course Code: G0381	Course Name: The Immune System and Health of Animal
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces students to the fundamental concepts of immunology and explores their direct relationship with animal health. It aims to provide students with the foundational principles of immunology and their practical application to improve animal health.

Learning Outcomes:

1. Describe the fundamental principles of innate and adaptive immunity
2. Collaborate effectively to identify current advancements in immunological approaches for resolving food safety and security challenges
3. Defend the utility of immunological approaches for improving the agricultural and aquaculture industries.

Assessment Methods:

Assignment	50%
Presentation	20%
Quiz	30%

Course Code: G0382	Course Name: Travel for Science: Discover Science Around the Globe
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

Travel for Science takes students on a global journey to explore the fascinating science behind natural wonders, cultural practices, and everyday phenomena. Through virtual visits and interactive activities, students will develop observational and critical thinking skills while examining key scientific concepts such as materials science, mechanics, biochemistry, ecology, and physics. The course encourages students to connect scientific principles to real-world experiences, fostering curiosity and a deeper appreciation of how science shapes the world.

Learning Outcomes:

1. Discover scientific phenomena and connect them to real-world examples.
2. Present scientific ideas clearly and effectively to an audience.
3. Construct visual representations to communicate scientific concepts.

Assessment Methods:

Science travel journal	40%
Presentation	30%
Infographic	30%

Course Code: G0383	Course Name: Innovation and Design Thinking
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course explores how ideas can be transformed into practical and meaningful innovations. It focuses on designing solutions, products, or processes to address real-world needs in different settings. Through hands-on activities, students will sharpen their problem-solving skills, generate creative ideas, and communicate those ideas effectively.

Learning Outcomes:

1. Identify fundamental principles that support the design and functioning of real-world systems.
2. Design a system or process that meets specific needs using relevant principles.

Assessment Methods:

Projects	70%
Presentation	30%

Course Code: G0384	Course Name: Fundamentals of Safety and Disaster Engineering
Credits: 2	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces the scientific, engineering, and safety principles underlying natural and man-made disasters. Students will explore the causes, mechanisms, impacts, and prevention strategies of various disasters through real-world case studies. The course equips students with the knowledge and awareness needed to anticipate, prevent, and respond effectively to disaster scenarios in industrial and community settings.

Learning Outcomes:

1. Propose engineering, safety and risk management on a given scenario
2. Present the content effectively either verbally or in written form in the field of safety and disaster management

Assessment Methods:

Presentation 1	30%
Presentation 2	30%
Report	40%

Course Code: G0385	Course Name: From Physics to Finance: Quantitative Finance
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces students to data-driven thinking and quantitative modeling using financial system as real-world case studies. The course emphasizes statistical reasoning, uncertainty, correlations, and model limitations. Students will gain transferable skills in quantitative reasoning and critical data interpretation relevant to finance, science, engineering, and data-driven professions.

Learning Outcomes:

1. Explain fundamental concepts of data, uncertainty, and randomness in real-world
2. Interpret financial data using basic statistical and modeling concepts.
3. Analyze correlations and collective behavior in complex system using qualitative reasoning.
4. Distingush between prediction, explanation, and overfitting in data-driven models.
5. Evaluate the limitations, risks, and ethical implications of quantitative models in high-stake decision making.

Assessment Methods:

Coursework	60%
Project	40%

Course Code: G0386	Course Name: Vibrations in Technology and Everyday Life
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces fundamental vibration concepts and their roles in modern technology and daily experiences. The course examines why vibrations occur, how they can be beneficial or harmful, and how they influence comfort, safety, and system performance in real-world applications such as transportation, consumer devices, and buildings. Conceptual vibration mitigation and control strategies, including selected emerging approaches such as low-frequency isolation and magnetic systems, are also explored. Learning is reinforced through examples and case studies that encourages interpretation, analysis, and clear communication of vibration-related technologies in the modern world.

Learning Outcomes:

1. Explain fundamental vibration concepts and behaviours using everyday examples and visual representations.
2. Explain the roles and effects of vibrations in modern technologies, including their influence on comfort, safety, and system performance.
3. Describe vibration-related technologies and mitigation approaches used in real-world applications.

Assessment Methods:

Quiz	20%
Assignment	40%
Final Assignment	40%

Course Code: G0387	Course Name: Introduction to Digital Design
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

The course is designed to analyze the concepts on VLSI technology. This includes a complete understanding in the design of combinational and sequential circuits using VHDL.

Learning Outcomes:

1. Interpret the IEEE standard and Libraries used in VHDL.
2. Identify the entities and architectures of combinational modeling.
3. Implement and test combinational or sequential logic circuits by coding, simulating, and verifying their operation using VHDL.

Assessment Methods:

Laboratory	30%
Assignment	30%
Final Assignment	40%

Course Code: G0388	Course Name: Industrial Mathematics
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

This course covers the applied and interdisciplinary tools that are widely employed in scientific research and the industry for efficient productivity, particularly for signal and image processing, project management, computer simulation, and machine learning/artificial intelligence.

Learning Outcomes:

1. Apply appropriate methods to solve optimization problems.
2. Apply numerical methods to approximate problems involving interpolation, differentiation, integration, root finding, ordinary differential equations, systems of linear equations and eigenvalues.
3. Apply the concepts of random variables and their transformations, probability principles, and properties of discrete-time Markov chains to solve routine industrial problems.

Assessment Methods:

Quizzes	40%
Final Examination	60%

Course Code: G0389	Course Name: Exploring Artificial Intelligence with Python
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces beginners to Python programming and practical artificial intelligence (AI) through hands-on, real-world activities. Students learn how computers follow instructions, how data is organised, and how simple programs can be written, tested, and debugged to solve everyday problems. Building on these foundations, students explore how modern AI systems perform classification tasks by learning patterns from examples, then evaluate model behaviour using testing and systematic experimentation.

Learning Outcomes:

1. Apply fundamental algorithms in Python in accordance with the language's syntax and semantic constraints.
2. Explain and predict program behaviour upon execution of Python source code.

Assessment Methods:

Quiz	20%
Assignment	40%
Final Assignment	40%

Course Code: G0390	Course Name: Engineering Logic and Design
Credits: 3	**Field: Science**

Brief Introduction:

Content of this course:

This course introduces students to fundamental engineering logic and design principles through simulation-based learning. The course emphasizes logical thinking, digital representation, and simple system design using intuitive examples from everyday engineering applications. Students will explore basic digital concepts such as binary representation, logical operations, and simple programming constructs through virtual prototyping using open-source simulation tools (e.g., Tinkercad Circuits). No prior background in engineering, electronics, or programming is required. The course focuses on understanding how engineers design, simulate, and test simple systems rather than detailed mathematical or theoretical analysis.

Learning Outcomes:

1. Explain fundamental engineering logic concepts, including binary representation and basic digital logic, in the context of everyday engineering systems.
2. Apply basic logical reasoning and simple programming constructs to control virtual components in a simulated engineering system.
3. Demonstrate a simple engineering system using simulation tools by integrating basic logic, inputs, and outputs in an individual project.

Assessment Methods:

Quiz	30%
Group Assignment	20%
Final Project	50%