

HONG KONG METROPOLITAN UNIVERSITY
Undergraduate Elective Course Catalog
***For 3-credit-unit only**

This course catalog lists the course descriptions of undergraduate elective courses offered by Schools, and does not include [General Education courses](#) and [University English courses](#) provided in their respective pages.

This course catalog is applicable to the following students only:

- A&SS, B&A, E&L and S&T Year-1 entry students admitted in the 2023/24AY and thereafter
- A&SS, B&A, E&L and S&T Year-2 entry students admitted in the 2024/25AY and thereafter
- A&SS, B&A, E&L and S&T Year-3 entry students admitted in the 2025/26AY and thereafter
- BSCHPTJ1, BAHNMIEJ3 and BSCHCOMPF3 students admitted in the 2024/25AY and thereafter
- BNHGG1, BNHMJ1, HDNGF1 and HDNMF1 students admitted in 2025/26 AY and thereafter

Most elective courses are only offered to the students as assigned by their programmes, in which only the designated courses could count towards graduation. Please refer to [programme requirements](#). Besides the pre-requisite requirements shown in this catalog, please check your Advice Sheet on Course Selection accessible via the [University's website](#) (Undergraduate & Sub-degree Students > Course Enrolment > Advice on Course Selection) on any elective courses prescribed for your selection in academic terms. For further questions on the course content and pre-requisites, please consult the offering Schools.

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AMVE 1000AEF History of Animation and Visual Effects 動畫與視覺特技史

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce students to the world of animation arts through learning the history and global development of animation and visual effects. From Eastern animation traditions to Western animation, the course will examine major technical advancements and breakthroughs in animation at different periods with students. It will also cover information of major animation studios in different period of animation history.

AMVE 1001AEF Studio Art I: Drawing and Life Drawing 美術工作室 I：素描與寫生

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

AMVE 1002ABF Animation Appreciation and Practice 動畫欣賞與實踐

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce students to the art of animated story development. Students will study and analyze selected animated works that are representative of the genres, themes and issues popular in world animation to acquire in-depth knowledge about these animations and philosophically explore the worlds it creates. This course combines narrative theory, critical analysis and writing exercises to explore the art of storytelling in the development of animated short films.

AMVE 1004AEF Studio Art II: Painting 美術工作室 II：繪畫

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

The goal of this course is to give students the basic tools and ideas necessary to begin their painting practice in animation production. Emphasis will be placed on color theory and exploration. Students will learn to work and experiment with a variety of different painting process and techniques, the major aspects of digital painting is also included. Equal emphasis will be placed on learning the theories with critical analysis, aesthetic, skill and tool training.

AMVE 2000AEF Alternative Animation 另類動畫

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to broaden students' understanding of animation, introducing non- traditional and unconventional approaches to creating animation and encouraging students to explore alternative ways of producing magical visual qualities often missing from conventional computer-generated animated content. This course provides an opportunity for students to experiment with a variety of animation styles and techniques, including cut-out, stop-motion, and paint-on-glass methods, without relying on the conventional keyframing approach, with the aim of inspiring new vision and exploring image design for personal expression and communication using this powerful medium through these creative experiments in different forms of animation art.

AMVE 2001AEF Animation Production 動畫製作

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This is a year-long course intended for students to learn and experience the entire animation production in one continuous process. Building on Animation Principles Workshop, which focuses on 2D animation, this course aims to extend and equip students with more tools, e.g. 3D animation software, to apply their developed and developing arts and crafts in the completion of an animation project. Aspects of cinematic aesthetics such as image design, visual development and lighting will be reinforced in this course. Successful completion of the Animation Principles Workshop or equivalent prior experience in 2D animation and art direction is required to enroll in this course.

AMVE 2002AEF Art Direction for Animation and Visual Effects 動畫及視覺特效美術指導

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil
Excluded Combination:	CCA 2011ABF Vision of Art Direction 美術指導視野 IDDA 2001AEF Art Direction and Visual Design 美術指導與視覺設計

The course aims to introduce students to the fundamental concepts of art direction in animation and visual effects production. Through creative treatment and execution of visual elements such as color, space, texture, light, and composition, art direction helps set a consistent tone and style of the story, establishes the right mood or atmosphere, and conveys the right feelings accurately to the audience.

AMVE 2005ABF Storytelling and Pre-Visualization 故事創作及視覺預覽

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil
Excluded Combination:	AMVE 3007ABF Visual Communication and Storytelling 視覺傳意及故事創作

This is a middle level course that provides practical training to students on the art of creative storytelling and visualization of the film or animation concept in pre-production stage. It covers both technical skills and theoretical knowledge through workshops and coursework. Students will learn to develop their own stories, transforming imaginative concept to characters, actions, movements, sound, image structure and dialogue etc. Students will take their story to pre-production and pre-visualization phase, which includes character and location design, storyboarding and animatic.

AMVE 3000ABF Character Animation 戲劇人物動畫

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory AMVE 1003AEF Animation Principles Workshop 動畫原理工作坊 AMVE 2001AEF Animation Production 動畫製作
Excluded Combination:	CCA 2009ACF The Art of Film Postproduction 電影後期製作藝術

AMVE 3001ABF Digital Visual Effects and Compositing 數碼視覺特效及合成

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory AMVE 2001AEF Animation Production 動畫製作
Excluded Combination:	CCA 2009ACF The Art of Film Postproduction 電影後期製作藝術

AMVE 3002AEF Look Development for Animation and Visual Effects 動畫及視覺特效外觀開發

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

AMVE 3003ABF Cinematic Sound Design 電影聲效設計

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil
Excluded Combination:	CCA 3009ABF Sound Production for Film and TV 電影電視聲音製作

Sound is one of the key elements in video/film. It plays an important role in sculpting the emotional landscape. Its formal qualities are especially relevant in the support of cinematic narrative. This course aims to equip students with the basic knowledge in sound theory, as well as the skill in working with technology to create sound effects, Foley, dialogue and music for the moving images.

AMVE 4003AEF Motion Graphics Design 動態圖像設計

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to train students' creative, visual and design senses in motion graphics and equips them with the relevant skills and technique for effective communication and artistic expression.

BSCI 2013AEF Sociology of Health in Nursing 護理健康社會學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to study nursing and healthcare needs of people in society using the sociological approach. Major sociological concepts will be introduced to equip students with the knowledge and skills to appreciate what holistic nursing care involves, including both physical health and mental disorders.

CAMD 1000AEF Introduction to Advertising Media 廣告媒體學概論

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course serves as an introduction to the advertising practice in relation to modern media. The roles of the advertising agency, the development of creative advertising copy, advertising budgets, analysis of successful advertising projects and the creation of advertisement for different types of media will be studied. In addition, students will be introduced to the agency structures and operations in Hong Kong. Theoretical perspectives will be derived from the practice in Hong Kong and Asia, with comparison to the advertising industry in the West.

CAMD 1001AEF Principles and Practices of the Media 媒體理論與實踐

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the principles and practices of the media. Students will learn media and communication theories, and analyse their applications in different contexts. The course also explores how media are converging on the Internet and changing the way people receive news and entertainment. Students will learn the ethical values, professional attitudes, and personal skills they need in order to become future advertisers, journalists and communication professionals.

CAMD 1002ABF Introduction to Copywriting 文案創作導論

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the basic concepts, principles and techniques of different types of copywriting. Students will learn to develop creative ideas for advertising and promotional messages, apply effective writing techniques and evaluate their own work and that of others for accuracy and creativity.

CAMD 2000AEF Branding and Visual Identity 品牌與視覺形象

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to different creative theories on branding, and the critical evaluation of branding and corporate visual identity. The relationship between branding and visual identity design will be studied through case studies and hands on exercises.

CAMD 2001ABF Visual Design and Practises 視覺設計與實踐

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the design thinking and problem-solving process in visual communication equipped with practical knowledge and skills.

CAMD 2002ABF Advertising and Publication Design 廣告製作與出版

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to enhance students' awareness and understanding of advertising in relation to the creative aspects of design and graphic communication. Students will learn to design various types of advertising materials like a professional.

CAMD 2003AEF Advertising Audience Behaviour 廣告受眾行為

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to develop students' knowledge of audience decision-making process and its determinants. Through studying the concepts, theories and analytical frameworks drawn from such fields as design, psychology, sociology, anthropology and economics, students will understand the internal and external factors that affect advertising audience behaviours, and their implications for media

communication strategy.

CAMD 3000AEF Advertising for Digital Media 數碼媒體廣告學

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

CAMD 3001ABF Creativity and Advanced Copywriting 創意及高階文案寫作

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Advisory:
CAMD 1002ABF Introduction to Copywriting 文案創作導論

CAMD 3002ABF Multi Camera Studio Production Workshop 多攝影機攝製工作坊

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil
Excluded combination: CCA 4004ACF Digital Video Production Workshop: Television 錄像攝製工作坊: 電視

CAMD 3003AEF New Media Culture 新媒體文化

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Advisory: IDDA 2003AEF Imaging Technology 影像技術
Excluded combination: Nil

The course aims to investigate the cultures and historical developments of various new media forms, such as Facebook, Twitter, YouTube, mobile phone, hypertext fiction, online games, and so on. Specifically, the course will chart how new media are shaping/reshaping lived culture and what it means to be (post)human.

CAMD 3004AEF Web Design and Interactive Media 互聯網及互動媒體設計

Credits: 3

Level:	3000
Medium of instruction:	English
Prerequisites:	Nil
Excluded combination:	Nil

The course provides students with aesthetic frameworks for the appreciation of spatial and sequential design in dynamic media, and for developing a personal style in interactive media design and information communication. Students will gain hands-on experience in designing and prototyping an interactive media project or an interactive application/game for digital marketing and communication.

CAMD 3005ABF Cultural Identities and Advertising 文化身份與廣告

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil
Excluded combination:	Nil

The course teaches students how cultural identities are socially constructed and represented in advertising in relation to the issues of nation, ethnicity, class, sex and gender. Students have to learn how globalization influences the complex relationships in advertising, cultural identities, and language change. Cultural studies and representations of cultures and people in different contexts for advertising and media communication will be a focus of study.

CCA 1006ACF New Waves of Cinema 電影新浪潮

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

這是認識電影藝術歷史的進階課程，認識、欣賞與分析世界各地電影的歷史和流派，例如意大利新寫實主義、法國新浪潮電影、德國新電影、美國電影及日本電影等。修畢課程後，學員可以瞭解世界各地電影藝術流派的特色，提升欣賞電影的鑑賞力，有助電影創作與評論的發展。

CCA 1007ACF The Art of Drama: From Text to Stage 戲劇的藝術：從文字到舞台

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

戲劇與文學、電影的關係密切，眾多著名的電影、電視以及其他媒體的作品都由優秀的戲劇改編而來。透過分析中西戲劇經典，本課程令學生了解戲劇的結構與藝術形式，並且應用到劇本分析以至藝術創作之上。

CCA 2000ACF Visual Culture: Transmedia Writing Workshop 視覺文化：泛媒體寫作坊

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

文學藝術與視覺影像的關係，在近代越趨密切，更出現同時橫跨不同媒介的作品。本課為文學與藝術的跨界別學科，旨在訓練學員認識文學藝術創作與視覺影像的文化，通過認識各種體裁及跨媒體的文學作品，學習泛媒體寫作概念，並透過創作回應相關的視覺文化議題。課程內容包括視覺文化理論、各類文學與視覺藝術作品、跨媒體寫作的實例與理論等。

CCA 2007ACF Sinophone Cinema 華語電影

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

香港與內地合資的「合拍片」已發展成為香港電影產業的一股主流趨勢，而中港台合作模式的電影於近年亦愈來愈普遍，所以學生對於兩岸三地電影文化關係的瞭解十分重要。本課程以認識華語電影藝術為基礎，透過對華語電影的分析，讓學生展開對當代華人社群深廣的文化省思。課程內容主要講授中國、香港以及台灣電影的歷史、文化與藝術特色，兼談及兩岸三地的當代華語電影發展。修畢課程後，同學可深入瞭解各地華語電影的文化特色與優勢，有助將來往返兩岸三地發展電影編導、策劃以及電影研究等工作。

CCA 2009ACF The Art of Film Postproduction 電影後期製作藝術

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需
不可兼修的科目組合:	AMVE 3001ABF Digital Visual Effects and Compositing 數碼視覺特效及合成

本學科旨在透過課堂講授、作品選段放映、實踐練習及學員作品討論，提供當代敘事電影後期

製作的理論背景以及技能知識。旁及探討電影剪輯美學的各種風格。學員將學習電影後期製作的整個過程，從剪輯、合成乃至字幕、特效和配音到色彩校正和調色。課堂裡，學生將學習相關軟件和硬件採用的基本知識。

CCA 2010ACF Creative Writing Workshop 創意寫作坊

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

中國文學寫作的進階課程，主要以工作坊形式，打破傳統固有的思考模式與寫作方法，教導學員右腦寫作的技巧，訓練他們善用感官接觸世界、觀察與想像、認識自我與他人的關係。學員亦需要嘗試探討中國語言文字與各種媒體跨界的可能性，例如繪畫與文學、音樂與文學，攝影與文學等，打破寫作固有的模式。

CCA 2011ABF Vision of Art Direction 美術指導視野

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil
Excluded combination:	IDDA 2001AEF Art Direction and Visual Design 美術指導與視覺設計 AMVE 2002AEF Art Direction for Animation and Visual Effects 動畫及視覺特效美術指導

CCA 3000ACF Writing for the Screen: Aesthetics and Practice 電影編劇：美學與實踐

學分:	3
程度:	3000
授課語言:	中文
先修科目:	不需

CCA 3002ACF Reading Films: Theory and Practice 電影理論

學分:	3
程度:	3000
授課語言:	中文
先修科目:	不需

本學科為電影理論課程。以講授電影評論中基礎文化理論及方法，旁及其他學科，包括符號學、文本互涉、類理電影思考、精神分析學派、女性主義、後殖民理論與意識形態閱讀等。修畢課程後，學生該掌握電影分析方法，集理論、應用與實踐。

CCA 3006ACF Witness of the Truth: the Craftsmanship on Documentary 看見真相: 紀錄片的製作與探索

學分:	3
程度:	3000
授課語言:	中文
先修科目:	建議 CCA 1005ABF Media Production Skills 媒體製作技巧 或 IDDA 1004ABF Moving Image Workshop 流動影像工作坊

CCA 3008ACF Media Writing and Editing 媒體寫作與編輯

學分:	3
程度:	3000
授課語言:	中文
先修科目:	不需

CCA 3011ACF Studies of Film Masters 電影大師研究

學分:	3
程度:	3000
授課語言:	中文
先修科目:	不需

CCA 3014ACF Fiction Writing: From Modernism to Postmodernism 小說課：從現代主義到後現代主義

學分:	3
程度:	3000
授課語言:	中文
先修科目:	不需

本學科是寫作的進階課，主要教導學生認識短篇小說的欣賞方法和創作技巧。學生需要透過閱讀若干中西短篇小說名著，學習小說的敘事技巧、內容結構，以及現代主義和後現代主義的各種文學流派與寫作方法，包括意識流、荒誕小說、法國新小說派、魔幻現實主義、後設小說等。修畢課程，學生透過小說閱讀，認識文學發展的概況，現代文學和後現代文學的小說技巧，並且獨立完成短篇小說，嘗試尋找寫作的發展方向或個人風格。

CCA 3057ABF Short Film Production 錄像攝製工作坊: 劇情短片

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory prerequisite: CCA 1005ABF Media Production Skills 媒體製作技巧 IDDA 1004ABF Moving Image Workshop 流動影像工作坊
Excluded combination:	Nil

This course aims to equip students with the essential knowledge of making a short film and creative storytelling to a narrative production in various capacities. It provides students with the knowledge into relevant training for several roles behind the camera including screenwriting, directing, camera operating, cinematography, sound mixing, recording, and producing.

CCA 3058ACF The Art of Cinematography and Lighting 電影攝影與燈光藝術

學分:	3
程度:	3000
授課語言:	中文
先修科目:	不需

CHIN 1001ACF Chinese Writing 寫作基礎

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

本科主要講授應用文和各類評論的基礎知識和寫作技巧。本科旨在說明不同文體的性質、結構和用語，並提供實踐機會，藉以幫助學生全面提升寫作能力，掌握文字溝通的技巧。

CHIN 1002ACF Introduction to Chinese Culture 中國文化導論

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

本科主要講授中國文化的特色、發展過程，及對後世的影響，旨在提高學員對中國文化的興趣，藉著了解具代表性的文化現象，拓寬學生的文化視野，有助日後繼續修讀及研究中國文、史、哲有關的科目。

CHIN 1003ACF Masterpieces of Classical Chinese Literature 古代文學名篇導讀

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

本科主要導讀中國古代文學著名篇章，講解中國古代文學的藝術特色與時代特徵，藉以提升學生賞析中國文學作品的的能力，並掌握賞析與評論中國古代文學的方法

CHIN 1004ACF Introduction to Literature 文學概論

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

本科主要講授文學的特質和價值，文學的基礎知識，中國文學的傳統、理論和發展，說明不同的文學觀念，閱讀經典作品，讓學生了解中國文學的特點。通過研讀文學理論和個案，有助學生培養分析能力，有利日後更深層次之學術探求。

CHIN 1005ACF Masterpieces of Modern Chinese Literature 現代文學名篇導讀

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

本科主要介紹中國現代的文學作家及其經典作品，並概述現代中國文學的文學主題和藝術特色，旨在讓學生認識中國現代的作家和文學作品，及學習賞析文學的方法，從而拓寬文學視野。

CHIN 1006ACF Introduction to Chinese Language 語文通論

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

本科主要講授中國語文的基礎知識，包括漢語的演變、漢字的結構、現代漢語語音的特點、修辭技巧等。本科旨在說明漢語的發展、特點和運用，理論與實踐並重，加深學生對漢語的認識，藉以更準確和靈活運用漢語。

CHIN 2001ACF Classical Chinese 古代漢語

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

CHIN 2002ACF History of Classical Chinese Literature 古代文學史

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

CHIN 2003ACF Modern Chinese Grammar 現代漢語語法

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

本科主要闡析現代漢語語法理論、語法規範和語言分析方法。本科旨在讓學生系統地掌握現代漢語語法理論和語法規範，並能運用語法理論及語言分析方法來分析漢語詞語和句子的語法，又能指出和改正語法錯誤，從而提高寫作能力。

CHIN 2004ACF Chinese Communication Skills 中文傳意技巧

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

本科主要講授傳播的基礎知識、中文傳意的特點及實用技巧。本科旨在於講授傳播的基本理論，幫助學生掌握中文傳意的特點及不同實用文的寫作方法，亦會涉及口語傳意的知識傳授，讓學生學會演講、辯論等口頭表達方面的技巧，務求令學生對傳播概念有基礎的認識，同時也能夠從傳意的角度重新了解中國語文，並掌握運用中文傳意的各種實際方法。

CHIN 2005ACF Introduction to Chinese Classics 古籍導讀

學分:	3
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程度:	2000
授課語言:	中文
先修科目:	不需

本科主要講授國學常識、讀書方法、古籍形成與演變及關於四部文獻的相關知識。本科宗旨在於介紹中國古籍的發展與演變，探討古籍的性質、分類、收錄情形與傳播現象，並通過導讀經史子集的重要篇章，讓學生掌握基本閱讀古籍的方法及相關的國學知識。

CHIN 2006ACF History of Modern Chinese Literature 現代文學史

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

本科主要講授二十世紀以來中國現當代文學的發展與流變。本科旨在讓學生了解二十世紀以來中國現當代文學的發展脈絡，並掌握中國文學發展與其文化歷史語境之間的關係，為修讀三、四年級中國現代文學相關專題科目奠下良好基礎。

CHIN 3001ACF Classical Chinese Shi Poetry 詩選

學分:	3
程度:	3000
授課語言:	中文
先修科目:	不需

CHIN 3002ACF Classical Chinese Prose 歷代文選

學分:	3
程度:	3000
授課語言:	中文
先修科目:	不需

CHIN 3003ACF Modern Chinese Essay 現代散文

學分:	3
程度:	3000
授課語言:	中文
先修科目:	不需

CHIN 3004ACF Literature and Image 文學與影像

學分:	3
程度:	3000

授課語言: 中文
先修科目: 不需

COUN 2001AEF Basic Skills in Counselling 輔導的基礎技巧

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Advisory
COUN 1001AEF Introduction to Public Health 公共衛生導論
PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學
基礎課程：心理學

This course offers a skill-based learning experience in counselling in which students are trained to understand and apply the core communication skills involved in counselling. These basic counselling skills include attending, questioning, confrontation, focusing, reflection of meaning, and so forth. The practice of these skills in both public and private health contexts will be discussed.

COUN 2002AEF Theories in Counselling and Mental Health 輔導及精神健康的理論與實踐

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Advisory
COUN 1001AEF Introduction to Public Health 公共衛生導論
PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學
基礎課程：心理學

This course introduces students to a wide range of counselling theories and mainstream models of mental health practice across the world. The course features a thorough introduction of mainstream counselling approaches including psychoanalysis, psychodynamic therapies, Adlerian therapy, existential therapy, person-centered therapy, cognitive-behavioral therapy, family therapy, and so forth. In addition, various models of mental health practice such as preventive and promotional strategies will be introduced, and the importance of community resource will be discussed. Students will have the opportunity to reflect on the counselling process experientially and the cultural issues related to counselling.

ECON 1001AEF Foundations of Social Sciences: Economics 社會科學基礎課程：經濟學

Credits: 3
Level: 1000
Medium of instruction: English
Prerequisites: Nil

This course introduces students to the nature and the basic problem of economics. It aims to provide students with an understanding of the fundamental principles of economics and to develop students' ability to apply the theories to explain real world cases.

ECON 2001AEF Introduction to Microeconomics 微觀經濟學導論

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Nil

This course introduces students to the nature and the basic problems of microeconomics. It equips students with fundamental microeconomic theories to analyse real world economic and business problems.

ECON 2002AEF Introduction to Macroeconomics 宏觀經濟學導論

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Nil

ECON 2002AEF Introduction to Macroeconomics 宏觀經濟學導論 is a three-credit-unit higher level course in the full-time social sciences programme. It is presented in English. This course is designed to introduce students to the nature and the basic problems of macroeconomics, by equipping students with some macroeconomic theories to analyse real world economic and business problems. As well, the course aims to develop students' ability to use principles and theories learned to form their own views on economic policies.

ECON 2003AEF Introduction to China and Regional Development 中國與區域發展

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Advisory
ECON 1001AEF Foundations of Social Sciences: Economics 社會科學基礎課程：經濟學
SOVI 1001AEF Foundations of Social Sciences: Sociology 社會科學基礎課程：社會學

This course examines the interplay between the history of Modern China and the regional and

development strategies in contemporary China. Adopting an interdisciplinary view of development studies, the causes and patterns of China's economic growth will be examined together with a study on the impacts of this growth on the country's social and regional development. This course will also examine the rationale and implications of China's regional and global development strategies such as the Belt and Road Initiative (BRI), the establishment of the Asian Infrastructure Investment Bank (AIIB), and the development of Guandong-Hong Kong-Macao Bay Area (GHMBA).

ECON 3001AEF Intermediate Microeconomics 中級微觀經濟學

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

ECON 3002AEF Intermediate Macroeconomics 中級宏觀經濟學

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

ECON 3003AEF Introductory Econometrics 計量經濟學導論

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

ECON 3004AEF Applied Business Economics 應用商業經濟學

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

This course aims to further students' understanding of the economics of organization and market outcomes and to apply important economic concepts to enhance their managerial decision-making in a variety of real world contexts.

ECON 3005AEF Applied Economics in Public Policy Analysis 應用經濟學：公共政策分析

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

This course aims to provide students with the concepts and theories needed to understand the essence of public policy design by government in certain important areas such as taxation, government expenditure, pension systems and health care financing. Upon successful completion of the course, students will be able to evaluate the effectiveness of public policies from an economic perspective.

ECON 3006AEF Economic Growth and Development 經濟增長與發展

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory: ECON 2001AEF Introduction to Microeconomics 微觀經濟學導論 and ECON 2002AEF Introduction to Macroeconomics 宏觀經濟學導論

This course aims to provide students with a sound knowledge and skills in using computers and the Internet for university learning and in daily life.

ENGL 1002AEF Classic American Films 經典美國電影

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce students to American popular culture through appreciation of classic American films. Its goal is to promote students' cultural awareness and English proficiency. This course covers basic film genres and terminology, as well as approaches to discuss and write about films, with an overall goal to look at American popular culture and its influence.

ENGL 1003AEF British and American Short Stories 英美短篇小說

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to British and American short stories. Students will learn English and culture through the study of literature. Students have to read the story before they come to class. Film adaptations from selected stories will be viewed in class, followed by presentations and discussions on topics related to the story and its themes and socio-cultural background.

ENGL 1031AEF Introduction to English Fiction 英語小說導論

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This is an introductory course in English fiction. Students will study selected masterpieces in the forms of flash fiction, short story and novel. Through this course, students learn to read, understand and appreciate different forms of fiction.

ENGL 1032AEF Introduction to English Drama and Poetry 英語戲劇及詩歌導論

Credits:	Credits:
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This is an introductory course in English drama and poetry. Students will study selected masterpieces in drama and poetry. Through this course, students learn to read, understand and appreciate different forms of drama and poetry.

ENGL 1101AEF University English: Reading and Writing 大學英語: 閱讀與寫作

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

The course is intended to develop students' abilities to identify characteristic features of academic genres, critically analyse academic texts, and adopt appropriate academic conventions and organization to compose academic essays.

ENGL 1111AEF The Structure of Modern English: Words and Sentences 現代英語結構: 詞法與句法

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces the linguistic structure of Modern English. It focuses primarily on morphology—the study of word formation—while providing a foundational introduction to syntax. Students will learn to analyze the core building blocks of the English language, from parts of words to the structure of sentences.

ENGL 1121AEF The Structure of Modern English: Sounds and Meaning 現代英語結構: 聲音與意義

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce students to basic concepts in English linguistics. Specifically, it enables students to understand basic concepts in phonetics, phonology, semantics, pragmatics, and discourse analysis. It prepares them for more advanced studies in linguistics.

ENGL 2001AEF Globalization Through English-Language Films 從英語電影看全球化

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to equip students with a broad understanding of the key concepts and theories of globalization and to examine how notions of the global and processes of globalization are depicted, expressed and contested in films that are globally circulated and reach audiences worldwide through the use of English as a global lingua franca. Students will examine films in various genres including both narrative films and documentaries.

ENGL 2003AEF Hitchcock Films 希治閣電影

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce students to the works of Alfred Hitchcock, the master of suspense and psychoanalysis in films. It also aims to broaden students' intellectual horizon and cultural literacy, as well as to enhance students' English proficiency.

ENGL 2004AEF Modern British and American Drama 現代英美戲劇

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course introduces students to key terminology and concepts of drama through studying major plays from the modern to post-war period, to examine ways of reading drama, and to enhance students' English proficiency and cultural literacy.

ENGL 2005AEF Folktales and Children's Literature in English 英語民間故事及兒童文學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to introduce masterpieces in folktales and children's literature. Besides exploring the history and development of folktales and children's literature, the relationship between these two literary genres will also be investigated.

ENGL 2006AEF Asian Writings in English 亞洲英語文學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to introduce students to contemporary literature in English by Asian writers. Genres of texts include the novel, the short story and drama. Students will explore the relationship between the English language and formation of identity in various Asian cultural settings.

ENGL 2031AEF English Literature in the Modern World 現代世界英語文學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This is a course on English literature in the modern world. Major concepts in modern literature will be explored through the study of literary works. These works will be analyzed in five main aspects:

- (i)Identity;
- (ii)Multiculturalism;
- (iii)The Other and the Absurd;
- (iv)Gender Issues and Literature; and
- (v)Modern Values.

ENGL 2032AEF Socio-Cultural Issues in English Literature I 英語文學的社會文化(一)

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to introduce students to exemplary literary texts from pre-contemporary Britain and the theories and conventions of realism and modernism. Students will explore the social and cultural issues addressed in the chosen texts.

ENGL 2033AEF Socio-Cultural Issues in English Literature II 英語文學的社會文化(二)

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory prerequisite: ENGL 2032AEF Socio-Cultural Issues in English Literature I 英語文學的社會文化(一)

The course aims to introduce students to more exemplary literary texts from Britain and to explore topics related to British society and culture. It also aims to encourage students to investigate the relationship between literature and the reader's sense of self.

ENGL 2035AEF World Englishes and Globalization 世界英語與全球化

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course looks English as a global language and its spread through imperialism, popular media and globalization by studying a diverse range of Englishes. The course will explore the linguistic and cultural issues arising from the spread of English through the processes of globalization.

ENGL 2038AEF British and American Food Culture in Media 媒體中的英美飲食文化

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to topics in British and American food culture presented through different mediated communication, including printed media, screen media, broadcast media, and social media. It will foster students' interest and ability in seeing the cultural and social significances of food in various aspects that range from identity to socio-economic development in the cultures of the U.K. and the U.S.

ENGL 2039AEF Horror, Violence and Culture 恐怖、暴力和文化

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course is an introduction to horror and violence in various cultural products. There are no prerequisites for this course, other than a strong curiosity in literary representations of horror and violence. In this course we will explore the following questions: 1) What is horror? 2) What is violence? 3) What is the relationship between horror and violence? 4) How do we read (or make sense of) horror and violence? 5) What insights and pleasures can cultural representations of horror and violence bring to us?

ENGL 2042AEF English Language and Hong Kong Culture 英語與香港文化

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course introduces students to the influence of English language on Hong Kong culture from historical, cultural and linguistic perspectives. Students will learn the significance of English as one of the two official languages in Hong Kong and an important dimension of Hong Kong's everyday and cultural life. The status of English in Hong Kong will be explored through discussions on its importance for Hong Kong identity and cultural representations of Hong Kong.

ENGL 3022AEF Chinese Literature in English Translation 英譯中國文學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to explore the relevant cultural, social and historical background of various Chinese masterpieces. The reading of selected literary texts in English enriches the vocabulary bank and broadens the intellectual horizon of our students.

ENGL 3024AEF Topics in Chinese-Western Comparative Literature 中西比較文學專題

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to introduce students to different schools and development of Chinese-Western comparative literature. Comparative studies of Chinese-Western literatures and texts will be used to help them differentiate literary and aesthetic forms of the West and the East, leading to different understanding of culture and modernity.

ENGL 3036AEF English-Language Media and Pop Culture 英語媒體與普及文化

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

The course aims to introduce students to the use and impact of English language in different types of media and pop culture. Students will learn some basic theories and concepts of critical media and cultural studies to discuss and analyze cultural production and consumption of English-language media and representations. The trend of media globalization will be explored in combination with the cases of localization and regionalization leading to the construction of cultural diversity and identity.

ENGL 3037AEF Culture and Adaptation Studies 文化與改編研究

Credits: Credits:
Level: Level:
Medium of instruction: Medium of instruction:
Prerequisites: Prerequisites:

This course will explore the relationships between culture and literary adaptations. Students will be introduced to the discipline of adaptation studies, including its theoretical issues and a wide range of adaptations in different forms. They will learn to analyze how literature influences popular culture and the creative industries in the process of adaptation.

ENGL 3040AEF Special Topic(s) in Cultural Studies 文化研究專題

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil
Prerequisites: Nil

This course provides students with an introduction to field of Culture Studies. The issues of class, gender, race and representation will be discussed through exploring different art forms. Various approaches to the analysis and interpretation of cultural activities will be studied in this course.

ENGL 3041AEF Cultural Representations of the Metropolis 都市的文化呈現

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil
Prerequisites:	Nil

The course aims to provide in-depth knowledge of critical analysis of cultural representations of modern cities and help students to learn discussing cultural issues in intellectual ways in relation to different representations of the metropolis in various media. The course will attempt to bring students' attention to the cultural, socio-economic, political and gender issues in those representations.

ENGL 3112AEF English Grammar Analysis 英語語法分析

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil
Prerequisites:	Mandatory ENGL 1111AEF The Structure of Modern English: Words and Sentences 現代英語結構: 詞法與句法 (Restricted to BAHLTJ1/2)

The course aims to introduce students to the fundamental analysis of English grammar across different levels: word, phrase, clause and sentence. It also aims to enhance students' analytical abilities to examine sentence structures with respect to word classes and grammatical relations.

ENGL 3122AEF English Grammar and Usage 英語語法與運用

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil
Prerequisites:	Nil

This course aims to introduce students to the descriptive grammar, prescriptive grammar and pedagogical grammar, and the grammars of spoken and written English. It aims to provide students with an understanding of the roles played by voice, tense and aspect in the verb phrase, and also the roles of cohesive devices in English grammar. It aims to increase students' awareness of the notion of 'standard English' and native-speaker and non-native speaker variations from the notional standard.

GCST 2001AEF Diplomacy and Public International Law 外交學與國際公法

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory POLS 1001AEF Foundations of Social Sciences: Political Science 社會 科學基礎課程：政治學

This course invites students to examine the interplay between diplomacy and public international law and to see how it shapes daily international relations. It explores the nature, history, thoughts, practices, forms, development, and challenges of diplomacy. It discusses the general principles, practices, and development of international law, such as sources of international law, subjects of international law, peaceful settlement of disputes, warfare and criminal responsibility, human rights, humanitarian issues, territory, and the environment.

GCST 3001AEF American Politics and Foreign Relations 美國政治與外交關係

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This is a very important course for any student who studies International Relations and Political Science, given the continued importance of the United States (US) in global politics. The course is an introduction to the study of the US's domestic politics and foreign relations, which have always been intertwined. The study topics will be examined by a variety of ideological frameworks, such as Tocquevillian, Jeffersonian, Jacksonian, Hamiltonian, Monroeian, and Wilsonian thoughts. We will also apply theoretical and empirical frameworks: progressivism, capitalism, neoliberalism, imperialism, realpolitik, hegemony, isolationism, neoconservatism, Zionism, and populism found in the past and present of American politics.

GCST 3002AEF International Organizations and Global Governance 國際組織與全球治理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory POLS 1001AEF Foundations of Social Sciences: Political Science 社會 科學基礎課程：政治學

By combining theoretical and empirical perspectives, students will gain wide exposure to current global issues and challenges. They will reflect on the nature and causes of those issues and challenges, understand the roles, functions, and significance of international organisations, and assess critically the merits, shortcomings, and transformation of today's global governance system.

GCST 3003AEF Great Power Relations in the Age of Multipolarity 多極化時代的大國關係

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course starts with an introduction (Part I) to the discussion of great power politics, grand strategy, and multipolarity in the study of IR, and key concepts and major theories of great powers and great power relations. Part II explores the nature and transformation of relations among four major powers in the world, as well as the key factors contributing to their transformation. Part III discusses a selection of cases which global cooperation and conflict, as well as the lack of global leadership and decrease in global public goods are observed.

GCST 3004AEF Politics and International Relations in East Asian Region 東亞地區的政治和國際關係

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory POLS 1001AEF Foundations of Social Sciences: Political Science 社會 科學基礎課程：政治學 POLS 2003AEF Introductory Comparative Politics 比較政治入門 GCST 3002AEF International Organizations and Global Governance 國 際組織與全球治理

This course encourages students to learn the stories and critically reflect on the many complicated

political issues and fast-changing reality in East Asia. We will cover the Korean Peninsula, Japan, Taiwan, and Southeast Asia against the backdrop of historical influence by China, Japan, Russia, and the United States.

GCST 4004AEF Social and Cultural Development in Southeast Asia 東南亞社會和文化發展

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the social and cultural complexity of the region by providing a broad overview of Southeast Asia's past and present. This course is organized chronologically into three broad periods:

- 1) Pre-colonial era of Southeast Asia: traditional states and societies (to the 1820s);
- 2) Colonial era: transformations and indigenous responses (1824-1945);
- 3) Post-colonial era: the emergence of modern nations (since 1945).

IDDA 1000AEF Introduction to Imaging Design 影像設計導論

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

The course offers an introduction to equipment, concepts and skills on basic imaging design.

This course aims at providing students with a solid foundation in understanding the science behind the art of (still and motion picture) imaging design. Students will re-examine the whole process of technological evolution from film and chemical based photography to digital art. The course is concerned with the composition of images and will provide students with the knowledge in handling images with substantial technical and artistic standards. On top of technical operations, concepts of composition, creativity and aesthetic development will be introduced.

IDDA 1002AEF Foundation of Visual Communication 視覺傳意基礎

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil
Excluded Combination:	AMVE 3007ABF Visual Communication and Storytelling 視覺傳意及故事創作 CAMD 2001ABF Visual Design and Practices 視覺設計與實踐

This course aims to take a critical and creative approach in exploring the communication and visual design theories interacting with the support of materials and technology, contributing to the formulation and realisation of visual communication design. The course focuses on exploring the role and development of visual communication design as a discipline; students can learn visual theories and communication models; visual literacy, and explore the emerging visual communication design issues; design research, in relation to with the solutions of creation of sustainable visual communication design.

This course aims to consider the visual communication system in both traditional and nowadays as well as the expanding natures of its possibilities, to organise and visualise visual communication in a user-friendly and understandable approach for the intended audience.

IDDA 1003AEF Introduction to Digital Art 數碼藝術導論

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

IDDA 1003AEF Introduction to Digital Art 數碼藝術導論 is a 3-credit-unit foundation course of the BFA (Hons) in Imaging Design and Digital Art programme. This course aims to introduce students to the contemporary concepts and practices in the field of digital art. The course will also equip students with fundamental skills in artist-oriented Data-Flow programming.

This course aims to provide students with an understanding of the history, principles and practices of digital art and to develop their ability to use digital technology in creating artwork.

IDDA 1004ABF Moving Image Workshop 流動影像工作坊

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This is a workshop-base, foundation course refines the technical and aesthetic skills in Moving Image Productions with special references to the use of video techniques in Imaging Design.

This is a visual-creation studio course aims at maximising student's creativity by introducing the subtle use of light and shadow, colour and space in contemporary moving image. Modern photographic imaging systems and lighting techniques will be introduced. Students will work with cameras and lenses with various light sources in the studio and on locations. Students will learn to communicate ideas and concept visually with emphasis on the development of the self-expression through technical skills.

IDDA 2000AEF Studio Photography 工作室攝影

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil
Excluded Combination:	CAMD 4005AEF Photography for Advertising 廣告攝影

This course aims at providing students with an understanding of photography in a studio environment. Lighting techniques with various modifiers are used to control and shape light to emphasise different photographic aspects.

The course introduces students to the theories and professional practices of studio photography as a means of communication. Students are exposed to the workflow of applied or commercial photography projects. It provides students with insights into photography as a profession.

IDDA 2001AEF Art Direction and Visual Design 美術指導與視覺設計

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil
Excluded combination:	AMVE 2002AEF Art Direction for Animation and Visual Effects 動畫及視覺特效美術指導 CAMD 2001ABF Visual Design and Practices 視覺設計與實踐 CCA 2011ABF Vision of Art Direction 美術指導視野

IDDA 2002AEF Visual Narrative Workshop 視覺敘事工作坊

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil
Excluded combination:	AMVE 2005ABF Storytelling and Pre-Visualization 故事創作及視覺預覽 AMVE 3007ABF Visual Communication and Storytelling 視覺傳意及故事創作

IDDA 2002AEF Visual Narrative Workshop 視覺敘事工作坊 is a 3-credit-unit course of the BFA (Hons) in Imaging Design & Digital Art programme. This course focuses on the various modes of visual narrative, including both fiction and non-fiction, primarily in the practice of image-making and explores how ‘thoughts’, ‘feelings’ and ‘events’ are narrated through an array of visual elements. Students will learn to examine various visual strategies, such as shooting style, symbolism, and post-production design, all of which can be used to enhance their practice in image-making and story-telling.

This course aims to explore the possibilities of different visual narrative styles to meet fast-changing industrial trends and development. Students will learn various styles of visual narratives employed in image-based practices, with an understanding of the basic visual and audio design principles.

IDDA 2003AEF Imaging Technology 影像技術

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

IDDA 2003AEF Imaging Technology 影像技術 is a 3-credit-unit course of the BFA (Hons) in Imaging Design and Digital Art programme. This course aims to introduce students to contemporary concepts and practices in the field of imaging technology. Students will learn various theories in historical and cultural contexts and be supplemented by various practical workshops.

This course aims at providing students with key concepts in the history of imaging technologies. Students will study topics from camera obscura to the recent technological practices of photography, moving images as well as expanded images. This course will familiarise the students with the key social and cultural events, technological developments, artists, and the art movements of various periods.

IDDA 3000AEF Computational Art and Graphics 電腦藝術及圖像

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil
Excluded combination:	AMVE 4003AEF Motion Graphics Design 動態圖像設計

IDDA 3001AEF Aesthetics of Images 影像美學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory IDDA 2001AEF Art Direction and Visual Design 美術指導與視覺設計

IDDA 3002AEF Experimental Imaging and Video Art 實驗影像及錄像藝術

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

IDDA 3003AEF Contemporary Photography 當代攝影

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

IDDA 3004AEF Administration and Management in Art and Design 藝術設計行政及管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

LANG 2133AEF Introduction to Sociolinguistics 社會語言學導論

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course introduces students to core concepts and research methods in sociolinguistics. It develops their understanding of the relationship between language and society. It also aims to provide students with necessary tools to understand and discuss linguistic phenomena in light of sociolinguistic theories.

LANG 3501AEF Research Methods for Language Studies 語言學研究方法

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

Students will be introduced to research methods and tools commonly used in linguistic studies, notably qualitative and quantitative research. How to conduct corpus-based research will also be covered. Special attention is paid to the various stages of the research process from the development and justification of research questions and the formulation of an appropriate research design, including methods of data-gathering and data analysis, to the final stage of writing up. The ultimate aim is to enable students to produce an original research paper at the end of the course.

LANG 3138AEF Semantics 語義學

3	3
1000	1000
English	English
Nil	Nil

This course introduces students to the essentials of semantics, focusing on meaning at the lexical and sentential levels. This course helps students understand the nature of meaning in language. It equips them with the key concepts and terms used in the study of meaning. It enables students to engage in intelligent discussions about the major ways meaning is expressed in language.

LANG 4139AEF Pragmatics 語用學

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to an understanding of how linguistic meanings are used in context and the fundamental concepts in pragmatics. It also aims at explaining how pragmatics is related to our daily interactions.

NMIE 1002AEF Music and Sound Fundamental 音樂與聲音基礎理論

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This is a three-credit-unit 1000-level course that introduces the fundamental knowledge of music and sound. This course develops students' understanding of the connections between the physical nature of sound and listening, while developing skills in music theory and aural related to music processing and production. The course will cover the physics of sound, physiology of hearing and critical listening, fundamental musical concepts including scales, harmonic structures, and musical forms, and the connections between all these topics.

NMIE 1101AEF Introduction to Game Engine 遊戲引擎導論

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course is a three-credit-unit 1000-level course that provides introductory knowledge about game engines and the fundamental production framework of a microgame in game engines. Game engines nowadays are no longer just used for the development of games but have extended to become a real-time development platform for a wide range of media forms like cinematic animations, interactive and immersive entertainment, multidisciplinary art forms, or even serious applications. This course will provide the history of game engines and compare various state-of-the-art frameworks in the commercial market with examples of their core features and applications.

NMIE 1201AEF Fundamentals of Creative Programming 創意編程基礎

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

NMIE 2201AEF Computer Graphics 計算機圖形學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

NMIE 2301AEF Visual Communication and Real-Time Storytelling 視覺傳意及實時故事創作

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

NMIE 2302AEF Gamification and Behavioral Design 遊戲化與行為設計

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

NMIE 3001AEF Generative Music and Sonic Art 生成音樂及聲音藝術

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

NMIE 3002AEF Immersive and Spatial Sound Design 沉浸式空間音效設計

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

NMIE 3101AEF Interactive Visual Effect Production 互動視覺特效製作

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

This course is a three-credit-unit 3000-level course focusing on the design of interactive visual effects in real-time production. In this course, students will develop professional knowledge and skills in designing and producing interactive visual effects for screen-based mediums using industry-standard game engines. The course will introduce various advanced visual effect production techniques, including GPU-based particle systems, mixed reality visual effects, and post-processing effects. Students will be encouraged to integrate topics learned throughout the course and creatively explore and develop their unique styles in designing interactive visual effects focusing on cutting-edge mixed-reality visualisation devices.

NMIE 3102AEF Software Art Composition 軟件美術創作

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

NMIE 3103AEF Immersive Graphics Design 沉浸式圖像設計

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

NMIE 3301AEF Composition for Audio-Visual Media 視聽媒體創作

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course is a three-credit-unit 3000-level course that provides knowledge about sound and image manipulation and production in contemporary media. The course will help students recognise the use of music in a variety of audio-visual media, the contemporary approaches in compositional languages, and the audio and pictorial composition in a variety of technical and aesthetic contexts.

NMIE 3302AEF Human-Computer Interaction Design 人機交互設計

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

NMIE 3303AEF Human-Computer Interaction Research Methodology 人機交互研究方法

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course is a three-credit-unit 3000-level course that provides essential knowledge about human-computer interaction (HCI) research methodology. HCI research methodology refers to the specific procedures or techniques used to identify, select, process, and analyse information to answer a research question related to HCI. This course introduces different research methods used in HCI and how they can be applied to interactive experience and entertainment design projects.

NMIE 3401AEF Interactive Application Production in Game Engine 遊戲引擎中的互動應用製作

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

NMIE 3402AEF Music Design Project Management 音樂設計項目管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course is a three-credit-unit 3000-level course that provides knowledge about music design project management using agile and scrum approaches. The course will cover topics including the basic concepts, philosophies, and frameworks for project management. It helps students recognise and develop a comprehensive approach with specific tools to manage, implement and prepare their own proposals for music industry-related projects.

NMIE 3403AEF Real-Time Development Project Management 實時開發項目管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course is a three-credit-unit 3000-level course that provides key principles and concepts of real-time development project management using agile and scrum approaches. Real-time development project management refers to the application of real-time monitoring technologies in the planning, monitoring, and control process of an interactive media design project.

NMIE 4001AEF Audio Design for Interactive Applications 交互應用程式的音頻設計

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

NMIE 4002AEF Sound Design for Live Performance 現場表演的聲音設計

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

NMIE 4101AEF Interactive Digital Multimedia Workshop 互動數碼多媒體工作坊

Credits: 3
Level: 4000
Medium of instruction: English
Prerequisites: Nil

NMIE 4102AEF Real-Time Physics Simulation for Interactive Graphics 互動圖形的實時物理模擬

Credits: 3
Level: 4000
Medium of instruction: English
Prerequisites: Nil

NMIE 4499AEF Capstone Project 統整項目

Credits: 3
Level: 4000
Medium of instruction: English
Prerequisites: Nil

POLS 1001AEF Foundations of Social Sciences: Political Science 社會科學基礎課程：政治學

Credits: 3
Level: 1000
Medium of instruction: English
Prerequisites: Nil

The course introduces basic concepts and theories in Political Science, the development of the discipline, key elements in different regime types, and the role of different political institutions and actors.

POLS 2001AEF Introduction to International Relations 國際關係概論

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory POLS 1001AEF Foundations of Social Sciences: Political Science 社會 科學基礎課程：政治學

This course aims to enhance students' understanding of contemporary International Relations and strengthen their abilities to critically assess current global affairs. It begins with an introduction of the five major schools of international relations theories, namely realism, liberalism, Marxism, constructivism and poststructuralism. By applying some of their insights, the course then critically examines a few major issues and/or topics on international relations, including globalization and global governance, wars, terrorism, international political economy as well as global environmental issues.

POLS 2002AEF Introduction to Political Philosophy 政治哲學導論

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course gives an introduction to the central problems in political philosophy by examining the justification of the state, democracy, liberty and rights, justice, private property and market. It also examines the debates between philosophers on these central questions and the possible answers to these questions.

POLS 2003AEF Introductory Comparative Politics 比較政治入門

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory POLS 1001AEF Foundations of Social Sciences: Political Science 社會 科學基礎課程：政治學

This course introduces to you the comparative politics subfield in the study of Political Science / Politics and International Relations. It explores key concepts, theories, ideologies, institutions, actors, and representative case studies in the comparative study of political thoughts and actions. This includes the concepts of sovereign State, nation, democracy, unitary and federal state systems, presidential and

parliamentary systems, party systems, autocracy and authoritarianism, social movements and anarchy, capitalism and socialism.

POLS 3001AEF Chinese Foreign Policy 中國外交

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

POLS 3002AEF Civil Society and Governance 公民社會與管治

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

This course aims to help students understand the concept of civil society, the theoretical approaches to analysing civil society, the evolution of civil society and its role in public governance.

POLS 3004AEF Hong Kong Government and Politics 香港政府與政治

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Advisory
POLS 1001AEF Foundations of Social Sciences: Political Science 社會科學基礎課程：政治學

The course aims to equip students with the knowledge and analytic skills to analyse salient issues and dominant cleavages in Hong Kong's political development and economic restructuring.

POLS 3005AEF Political Psychology 政治心理學

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

This course provides an overview of the intersecting fields of political science and psychology. It introduces to the study of political behaviour. Political psychology is a sub-discipline straddling political science and psychology, which explores psychological understandings to political questions. It is Interdisciplinary in nature, and covers cognitive, affective, group, and socio-cultural aspects of political behaviour.

POLS 4010AEF Theories of International Relations 國際關係理論

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to enhance an in-depth understanding among students on theories derived from various schools of thought of International Relations.

PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學基礎課程：心理學

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the psychological perspective to understanding human behaviour and experience, the methods used, the key findings gathered and the issues being debated.

The course aims to guide students to master the nature of psychological explanations and to arouse students' interest in the study of psychology.

PSYC 2001AEF Positive Psychology and Mental Health 正向心理學與精神健康

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory POLS 1001AEF Foundations of Social Sciences: Political Science 社會科學基礎課程：政治學

PSYC 3001AEF Abnormal Psychology 異常心理學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

The course introduces the various types of psychological disorders falling under psychiatric nomenclature and other behavioural models. Related theories and

research concerning the origin, diagnosis and treatment of these disorders will also be discussed.

PSYC 3002AEF Biological Psychology 生物心理學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學 基礎課程：心理學 or PSYC 2001AEF Positive Psychology and Mental Health 正向心理學與 精神健康

This course aims to develop in students an understanding of the major concepts, theoretical perspectives and empirical findings in biological psychology. This course also aims to foster in students an ability to engage in scientific reasoning and critical thinking.

PSYC 3003AEF Cognitive Psychology 認知心理學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學 基礎課程：心理學 or PSYC 2001AEF Positive Psychology and Mental Health 正向心理學與 精神健康

This course aims to develop in students an understanding of the major concepts, theoretical perspectives and empirical findings in biological psychology. This course also aims to foster in students an ability to engage in scientific reasoning and critical thinking.

PSYC 3004AEF Consumer Psychology 消費心理學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學 基礎課程：心理學 or PSYC 2001AEF Positive Psychology and Mental Health 正向心理學與 精神健康

The course aims to introduce students to the key concepts, representative theories and research findings in consumer psychology. Students are expected to acquire critical thinking skills for discerning assumptions, judging the adequacy of arguments and recognizing the contribution of scientific investigation for understanding consumer behaviour. It is also hoped that the intellectual skills developed will prepare them for lifelong independent learning.

PSYC 3005AEF Life-Span Developmental Psychology 成長心理學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學 基礎課程：心理學 or PSYC 2001AEF Positive Psychology and Mental Health 正向心理學與 精神健康

The course introduces the physical, perceptual, cognitive, language and social aspects of human development along the lifespan. Topics will include the role of genetics and environment in development, newborns' capabilities, parenting style, the development of attachment, self-concept, gender roles, object concept, perspective taking, memory, etc.

PSYC 3006AEF Personality Psychology 人格心理學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學 基礎課程：心理學 or PSYC 2001AEF Positive Psychology and Mental Health 正向心理學與 精神健康

This course introduces the key concepts, representative theories and research in the study of personality. Everyday life applications of personality theories will also be discussed. It is also hoped that the intellectual skills developed will prepare students for lifelong independent learning.

PSYC 3008AEF Psychology of Language 語言心理學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學 基礎課程：心理學 or PSYC 2001AEF Positive Psychology and Mental Health 正向心理學與 精神健康

This course introduces the scientific study of the psychology of language. It aims to develop students' understanding of the major concepts, theories, and empirical findings in the psychology of language, including language acquisition and language processing.

PSYC 3009AEF Research Methods in Psychology 心理學研究方法

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學 基礎課程：心理學

This course aims to provide students with the fundamental knowledge of major research methods and

designs used in psychology, and exposes students to the statistics that are commonly used in psychological research.

PSYC 3010AEF Social Psychology 社會心理學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory PSYC 1001AEF Foundations of Social Sciences: Psychology 社會科學 基礎課程：心理學 or PSYC 2001AEF Positive Psychology and Mental Health 正向心理學與 精神健康

This course aims to introduce students to the key concepts, representative theories and research studies in social psychology. It is intended that in the process students will acquire the critical thinking skills for uncovering assumptions, judging the adequacy of arguments and recognizing the contribution of proper psychological investigations; and it is hoped that the intellectual skills developed will prepare them for lifelong independent learning.

PTH 1901ACF Intermediate Putonghua I 中級普通話 (一)

學分:	3
程度:	1000
授課語言:	中文

This course aims at helping students to further grasp the fundamentals of Putonghua phonetics, enhance the ability of Putonghua practical application of students so as to prepare students for Putonghua communications with more accurate pronunciation and higher fluency in daily lives, work and social activities.

PUAD 2001AEF Introduction to Public Administration 公共行政學導論

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory POLS 1001AEF Foundations of Social Sciences: Political Science 社會 科學基礎課程：政治學

This course aims to develop in students an understanding of the distinctive nature of the public sector and differences between the public and private sectors; essence of the traditional public administration and the new public management models; theories and concepts of public policy; measures to improve the performance of the public sector; public sector reforms in Western liberal democracies; and impacts.

PUAD 3001AEF Public Sector Management 公管部門管治

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory PUAD 2001AEF Introduction to Public Administration 公共行政學導 論

This course aims to introduce students to the theories and researches in public sector management. It helps students to acquire the knowledge of public sector management and reforms in developed countries; and enhances students' understanding of Hong Kong's public sector management and contexts within which Hong Kong's public sector reforms were launched, and contents of those reforms.

SOCI 1001AEF Foundations of Social Sciences: Sociology 社會科學基礎課程：社會學

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce students to the methods, subject matter, and perspectives of sociology. The conceptual tools and analytical skills introduced are intended to help students understand things around them in a 'sociological way'. Students are expected to become more conscious of and curious about the underlying features and patterns of social life, and to be able to ask interesting yet meaningful questions about the society they live in.

SOCI 2001AEF Essentials of Sociological Inquiry (Classical Theory) 社會學探研的基礎（古典理論）

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory SOCI 1001AEF Foundations of Social Sciences: Sociology 社會科學基

礎課程：社會學

This course introduces students to the basic tenets of classical theories in sociology and to the application of these theories in the analysis of social life.

**SOCI 2002AEF Essentials of Sociological Inquiry (Contemporary Theory) 社會學探研的基礎
(當代理論)**

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Advisory
SOCI 1001AEF Foundations of Social Sciences: Sociology 社會科學基
礎課程：社會學

Through intensive reading and discussion of a set of sociological literature, students will develop a deeper understanding of the nature of contemporary sociological theory, the logic of sociological analysis and the relevance of contemporary sociological theory to the understanding of society. Students will be able to apply learnt theories to the study of the social world from various perspectives, and to critically appraise the contributions and limitations of contemporary sociological theory.

**SOCI 2003AEF Popular Culture in the Contemporary Society: East Asian Perspective 當代社
會的流行文化：東亞視角**

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Nil

This course aims to provide approaches towards the appreciation of sociological representations, identities and dynamics of popular culture productions and practices within East Asia. Through case-studies of specific popular culture contents from music to film and television as well as other consumer practices and lifestyles in the region, the course explores the themes of social relations and cultural interactions on a transnational level.

SOCI 2004AEF Social Problems and Social Issues 社會問題與討論

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Nil

This course aims to develop students' ability to analyze selected social issues and problems using a sociological approach. Through introducing major sociological perspectives and concepts, it helps students develop a sociological consciousness and imagination for the understanding and interpretation of social issues that are defined as problematic and thus deserve social attention.

SOCI 2005AEF Youth, Work and the New Economy 青年、工作與新經濟

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory SOCI 1001AEF Foundations of Social Sciences: Sociology 社會科學基礎課程：社會學

This course introduces social sciences students to multi-disciplinary approaches to the study of work and employment in modern society, in addition to facilitating their preparation for their future career planning and development. This course aims to develop in students an understanding of the nature of work in modern society. It equips students with both theoretical knowledge and practical skills for work and career development.

SOCI 3001AEF Ageing: Issues and Perspectives 高齡化社會的課題與觀點

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

Upon completion of this course, students will be able to understand ageing as a socially constructed phenomenon and to appreciate the diversity of the experience of ageing across contexts. They will be able to analyze issues pertaining to social relations and inequalities in later-life, engage in debates around related policy and practices, as well as reflect upon the implications of ageing on society and personal life.

SOCI 3002AEF Borders, Culture and Development 邊界、文化與發展

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the field of border studies by using anthropological approaches to the conceptualization, management and experiences of borders and of bordering processes. It presents the theoretical perspectives and conceptual tools with which students can research and examine the functions and effects of borders and bordering practices in different geographical and cultural contexts.

SOCI 3003AEF Cultural Tourism and Society 文化旅遊與社會

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to familiarize learners with the key concepts and theories in the study of cultural tourism as a global social phenomenon, and their relevance to daily social life.

SOCI 3004AEF Globalization, Social Policy and Everyday Life 全球化、社會政策與日常生活

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to examine the economic, political and cultural dynamics of globalization and to discern the impacts of globalization to different societies and social groups, with particular focuses on the changing contexts and formulation of social policy and the altered patterns of social life. By the end of this course, students should have a much better understanding of the academic debates over what globalization is about, the different forms it takes and its impacts upon social policy and our individual experiences in the local contexts and their individual settings.

SOCI 3005AEF Mobility, Place, Culture 流動性、地方、文化

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

"This course aims to introduce to students the history and socio-demographics of various forms of large-scale movements of people across the globe. It presents the theoretical perspectives and conceptual tools with which students can research and analyse the human and social consequences of human mobility."

SOCI 3006AEF Perspectives and Issues on Crime 犯罪:觀點與討論

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory SOCI 1001AEF Foundations of Social Sciences: Sociology 社會科學基礎課程：社會學 or SOCI 2004AEF Social Problems and Social Issues 社會問題與討論

This course aims to examine perspectives and issues on crime primarily from a sociological perspective. It attempts to lay out the ways crime and its control is shaped by wider social factors.

SOCI 3007AEF Social Policy and Social Administration 社會政策與行政

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory SOCI 1001AEF Foundations of Social Sciences: Sociology 社會科學基礎課程：社會學 or SOCI 2004AEF Social Problems and Social Issues 社會問題與討論

This course aims at providing students with a theoretical and analytical framework in understanding social policy making and social administration with a comparative dimension.

SOCI 3008AEF Understanding Chinese Society 中國社會

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with an integrated understanding of Chinese society both past and present with special focus on family and culture, and the development after the establishment of the People's Republic of China. It traces the social changes that affect social relationships in both the rural and urban contexts of China.

SOCI 3009AEF Youth and Crime 青年與犯罪

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to help students to develop a critical understanding on youth crime from sociological and criminological perspectives. It explains how youth crime and its control is shaped by wider social factors. It looks into key theoretical perspectives and issues concerning the explanation of youth crime as well as the various measures designed for its prevention.

SOSC 2001AEF Introduction to Gerontology 老年學導論

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the field of social gerontology. It looks into how people perceive and experience the process of growing old and how society responds to ageing and related issues. Adopting a multidisciplinary approach, this course will cover topics including population change, economics and social policy, healthcare, social services, social support and caregiving, etc. A primary focus of this course is to introduce the impacts of ageing on society. It also addresses ageism and the myths arising out of it. Examples in Hong Kong, China and selected international contexts will be drawn upon in the application of theoretical perspectives, in the discussion of policy responses to ageing and in engaging students in relevant debates.

SOSC 2002AEF Logic 邏輯學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the methods and principles needed in order to distinguish correct from incorrect reasoning that is regularly used in everyday life. The course examines three major logical systems, categorical logic, propositional logic, and predicate logic. It also equips students with certain formal methods for representing, analysing and evaluating arguments.

SOSC 2003AEF Mathematics for Social Sciences 社會科學的數學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

SOSC 2003AEF Mathematics for Social Sciences 社會科學的數學 is a three-credit-unit middle level course in the full-time social sciences programme. It is presented in English. This course aims to introduce several branches of mathematics, which are necessary for the study of the social sciences. It is intended as a general introduction with special emphasis on optimisation and mathematical analysis of issues pertinent to social sciences.

SOSC 3001AEF Applied Nutrition in Ageing 應用高齡營養學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide an in-depth understanding of the determinants of food intake and nutrient recommendations for ageing adults in a variety of settings. Specific consideration is given to eating environments and physiological changes that influence access, preparation, and consumption of food by older persons living in the community and in facilities.

SOSC 3002AEF Leisure and Ageing 休閒與樂齡

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to equip students with the knowledge to critically examine the relationship between leisure and ageing well, as well as the skills to apply practical principles in developing inclusive leisure programmes for older adults. It explores key theories and contemporary issues related to the role of leisure in supporting wellbeing throughout the ageing process.

SOSC 3003AEF Practical Skills in Social Services I 實用工作技巧 - 社會服務機構 (一)

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course equips students with knowledge and skills to (1) plan, develop, and evaluate social services management, development, productivity, and performance, and (2) perform strategical report/proposal writing. Besides, this course equips student with what is required for budgeting and financial management to ensure that an organization is in good financial standing; for coordinating programs and activities to achieve organizational goals; for the hiring and supervision of staff; for risk management; and for social services marketing.

SOSC 3004AEF Community Engagement and Social Change 社區參與及社會變遷

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

Through interdisciplinary study and service, students will become proactive citizens who find creative and practical solutions to local, regional and/or global problems. It is also suitable for those who wish to investigate the concept of “social responsibility” and “civic duty”, and to apply interdisciplinary knowledge to transform and create positive social outcomes to reach people in need.

STAT 2002AEF Essentials of Quantitative Research Inquiry 量性研究概論

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

In this course, students will gain exposure to the design and methods of quantitative research in social sciences. The course covers the logic of scientific inquiry and various research techniques, such as sampling, survey research, and quantitative analysis, all of which are commonly adopted in social sciences research.

STAT 2003AEF Statistics 統計學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with comprehensive understanding of quantitative methods, data structure, normal distribution and hypothesis testing. This course enables students to acquire useful statistical techniques for application in social sciences.

TRAN 1261ACF Fundamentals in Chinese to English Translation 漢英翻譯導論

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

本科旨在教授從漢語到英語的翻譯基礎，並進行漢英翻譯實踐練習。本科運用不同的漢英翻譯實例，闡析翻譯的性質與原則，讓學員掌握基本的翻譯技巧。

TRAN 1271ACF Fundamentals in English to Chinese Translation 英漢翻譯導論

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

本科介紹從英語到漢語的翻譯基礎，旨在教授翻譯的基本知識並以英漢翻譯來實踐技巧。本科運用不同的英漢翻譯實例，闡析翻譯的性質與原則，讓學員掌握基本的翻譯技巧。

TRAN 2253ACF Study of Translation Texts 譯文研究

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

本課程旨在教授評價譯文的理論和步驟，就小說、散文、商業文件及新聞文件等各種文體的譯文進行個案分析，從而提高學員對譯文的鑒賞力和翻譯水平。

TRAN 2262ACF Language Studies for Translation 語言結構與翻譯

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

本科介紹翻譯與語言學的關係，並以中英語言的例子來闡釋詞法學和句法學的基本語言結構原理，使學生了解語言系統的運作及其在語言轉換中的作用，從而提高翻譯能力。

TRAN 2272ACF Contrastive Linguistics and Translation 語言對比與翻譯

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

本科旨在對中英文的結構作深入分析，並對比兩種語言的異同，從而提高學員翻譯的技能。本科亦會介紹對比語言學所牽涉的範疇，包括修辭和風格學等。

TRAN 3265ACF Media Translation 傳媒翻譯

學分:	3
程度:	2000
授課語言:	中文
先修科目:	(僅限 BAHLTJ1) TRAN 1261ACF Fundamentals in Chinese to English Translation 漢英 翻譯導論 和 TRAN 1271ACF Fundamentals in English to Chinese Translation 英漢 翻譯導論

This course aims to familiarize the basic principles used in film and television subtitles and in journalistic writing. It also aims to develop and reinforce their translation skills in these two fields.

TRAN 3601ABF Introduction to Translation Studies 翻譯研究初探

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to provide students with fundamental theoretical knowledge to enhance future research studies.

TRAN 3602ABF Literary Translation 文學翻譯

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course is a three-credit, higher level course for the full-time face-to-face Language and Translation degree programme. This course serves to enhance students with literary translation skills on various literary works from English and Chinese.

TRAN 3603ABF Translation Technology 翻譯科技

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course provides students with basic training in translation technology, helping them to acquire basic knowledge about computer-aided translation (CAT), machine translation (MT), concepts and available technology for translation, and hands-on experience of applying technological and artificial intelligence (AI) tools to enhance translation productivity. The role which technology plays in translation will be discussed.

Lee Shau Kee School of Business and Administration

ACT 3011BEF Financial Accounting 財務會計

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to develop the basic conceptual and regulatory framework for financial accounting in Hong Kong. The course's aims can be summed up as follows:

- * To explain the standard-setting process and conceptual framework underlying financial accounting and reporting in Hong Kong;
- * To choose appropriate financial accounting treatment for the various types of business enterprises in Hong Kong;

* To convey a perspective of accounting as a company secretary in Hong Kong.

ACT 3090BEF Internship in Accounting 會計業實習

Credits:	15
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course is designed to equip students with real-world working experience for their future career in specific industries. Field study may include a combination of on-the-job-training and other forms of learning activities that take place within an approved organization. Students are required to complete at least 200 training hours on a full-time basis and prepare written reports reflecting on their experience. The report has to document their working and/or training experience and relate such experience to some knowledge and theories relating to some business and management related disciplines.

BUS 3068BEF Business Issues and Ethics 商業論題與倫理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

BUS 3090BEF Environmental, Social and Governance Issues 環境、社會及管治議題

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to acquaint students with the key concepts of ESG issues by applying relevant theories to real-world investment decisions. It also aims to get students to analyse and discuss the impact of ESG factors on business and financial markets by using examples from current industry practices and global case studies.

DB 3047BEF Marketing Dynamics in the Digital Age 數碼時代的市場營銷動態

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

DB 3074BEF Strategic User Experience Design 用戶體驗設計及策略規劃

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to help students understand the fundamentals and essentials of user experiences as the business landscape is undergoing an upheaval due to digitalisation. It introduces students to key up-to-date components of user experience strategy and design including innovative user experience channels and unique user experience development. It would also illustrate and discuss various ways to create exceptional user experiences which enables companies to differentiate from their competitors.

FIN 3086BEF Financial Management 財務管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

FINT 2030BEF Introduction to Fintech 金融科技導論

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

FINT 3038BEF E-Payment Systems, Cryptocurrencies and Cyber Security 電子支付系統、加密貨幣與網絡安全

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to acquaint students understand and apply the new payment and security technologies in designing digital payment solutions for different business models. It equips students with concepts and knowledge in payment systems and cryptocurrency technologies for designing innovative payment solutions to fit diverse online business models. It also empowers students to apply cyber security models to safeguard the transactions to ensure safer and secured payment service experience.

HPM 3009BEF Attractions Management 景點管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to equip students with the broad-based knowledge of visitor attractions management by applying relevant theories to enhance their understanding of the operational, financial, and strategic challenges unique to this sector. Through the critical analysis of case studies locally and globally, students will develop the practical skills required for the effective management and development of successful visitor attractions.

HPM 4008BEF Advanced Hotel Management 高級酒店管理

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with broad-based knowledge of hospitality strategic implications, contemporary management strategies and quality service management in the hotel industry.

IB 3091BEF International Business Environment 國際商業環境

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

IB 3092BEF Managing International Business 國際商業管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to help students understand the current thinking and methodologies in development of strategy and structure for international business. It also provides students with the knowledge necessary to understand the complexities and interdependencies that result from the management of different international business functions and operations.

IB 3093BEF Overseas Exchange 海外交流

Credits:	15
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to equip students with a global perspective to tackle challenges in the contemporary world of growing economic interdependence. By studying abroad, the experiential learning would enhance students' knowledge of the factors shaping business in other countries and sharpen their soft skills for working in diverse teams and multicultural settings in their future careers.

IB 3094BEF Research Methods for International Business 國際商務研究方法

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with basic research methods for international business research. It equips students with skills and techniques for conducting international business research and enables students to apply appropriate methods for research.

IB 4061BEF International Marketing 國際市場學

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

MGT 3042BEF Training and Development 培訓及發展

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to acquaint students with the theoretical framework necessary for the study of the training and development function of an organization. This is then supplemented by equipping learners with core concepts related to training and development of organizations. By applying relevant theories to help students to understand the components of various training and development activities and how they are integrated. It also aims to get students to be equipped with skills needed for training practitioners.

MGT 3044BEF Theory and Design of Organisations 組織理論與設計

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

MGT 3045BEF Organisational Behaviour 組織行為學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to acquaint students with theoretical perspectives and practical toolboxes for suggesting and carrying out effective managerial actions in today's complex organizational settings. It enables students to analyze and manage organizational processes and issues, including power and leadership, organizational culture, organizational learning and decision-making, groups and teams, and organizational change and development. It also aims to get students to design and manage organizations that always come with challenges and apply different organization theories to engage students in holistically examining managerial decisions and challenges from various perspectives.

MGT 4042BEF Contemporary Issues in Human Resource Management 當代人力資源管理議題

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to enable students to understand current trends and issues in the field of human resource management. Major areas covered included managing human resources and employee performance, HR technology, occupational health and safety, equal opportunities, diversity and inclusion, international human resource management, as well as HR audits and talent analytics.

MGT 4043BEF Employee Resourcing and Development 員工資源配置及發展

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with a holistic understanding of the concept, theory, and principles of employee resourcing and development in organisations. The course also enables students to apply and develop different human resource management tools and techniques to implement employee resource and development practice effectively for today's organisations.

MKT 3062BEF Marketing Research and Analytics 市場研究及分析

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to acquaint students with the background needed to properly evaluate and use the data collected by applying relevant theories and latest technologies to marketing research. It also aims to get students to develop a thorough understanding of the marketing research process; research design; data collection and measurement; sampling design; and data analysis, interpretation, and presentation by using examples from textbooks and cases. Students will also get hands-on experience working on various tools used in marketing research in today's digital landscape.

MKT 3063BEF Consumer Behaviour 消費者行為

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with a working knowledge of current theories, principles and frameworks used in researching and analyzing consumer behaviour.

MKT 3065BEF Services Marketing 服務市場學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with an in-depth understanding of the theories, analytical tools, strategic models and good practices associated with marketing services in domestic and international environments. By the end of the course, students will be equipped with the knowledge and skills necessary to analyse consumer behaviour in service contexts, promote services and educate customers, create a competitive positioning, develop innovative service products and distinct service brands, and formulate effective marketing mix strategies for service-based organisations.

MKT 3066BEF Marketing Communications 營銷傳播

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

SCM 3071BEF Logistics Management 物流管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with a fundamental knowledge of logistics management. It introduces the basic skills to develop logistics strategies and logistics organization procedures that will improve customer service through improved inbound and outbound logistics. The course also explains the uses of essential tools for logistics management, and the underlying methodologies to deal with the need for integration of logistics activities across units and firm boundaries.

SCM 3072BEF Operations Management 營運管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with a contemporary overview of operations management, its strategies, and the concepts which underpin quality, customer satisfaction and productivity. The course also reinforces and integrates students' existing knowledge of management of production and processes, and extends this in the service context. Finally, the course enlightens students on contemporary challenges and issues faced by operations managers and how to manage these issues strategically.

SPM 3013BEF Learning in Sports and Recreation 運動及康樂學習

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

SPM 3015BEF Recreation Facility Management 康樂設施管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

SPM 3016BEF Communication and Leadership in Sports and Fitness Organisations 運動與體
適能組織的溝通及領導技巧

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to equip students with the skills in exploring and analysing the sports and fitness environments as well as the associated work roles. It offers the knowledge and skills that help students enhance their understanding of various topics related to working in sports and fitness environments including communication, leading, and dealing with customers.

SPM 3018BEF Human Movement in Sports Science 人體動作運動科學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

SPM 3020BEF Exercise for Special Population 特殊需求人士運動訓練

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to focus on aspects of training with special populations. It is specialised in understanding the knowledge, practical skills required and developing the necessary exercise prescription to become a successful coach.

SPM 3056BEF Esports Ecosystem 電子競技生態

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

SPM 3057BEF Esports Business Planning 電子競技商業計劃

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

TRM 3012BEF Responsible Tourism and Community Development 責任旅遊與社區發展

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to acquaint students with understanding the latest trends of responsible tourism and its relationship with the development of destination communities. It also aims to get students to synthesize the concepts from a global perspective by using examples from the Asian region and beyond.

TRM 4014BEF Urban Tourism 城市旅遊

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to acquaint students with the phenomena of the urban every day and new urban tourism. Students will learn how the increasing intermingling of tourists and residents create, consume and experience in an urban context through a mix of theoretical and empirical literature. It also aims to get students to synthesise the concepts from a global perspective by using examples from the Asian region and beyond.

School of Education and Languages

CHIN 2101ECF Ancient Chinese Culture 中國古代文化

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

CHIN 2101ECF Ancient Chinese Culture 中國古代文化 為一學期三個學分的 2000 程度科目，屬於教育及語文學院教育榮譽學士（普通話及中文教育）及語言研究榮譽學士（漢語語言學研究）學位課程中語言學研習範疇之選修科目。完成本學科後，學生能

1. 解說中華文明的起源及觀念之建構；
2. 分析中國文化的發展脈絡；
3. 舉列中國古代文化的基本特點；
4. 詮釋中國傳統哲學、審美觀念；

5. 論述中國古代文化的現代意義。

CHIN 2102ECF General History of Ancient China 中國古代通史

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

CHIN 2103ECF Classical Chinese Literature and Appreciation 中國古代文學賞析

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

CHIN 2104ECF Genre and Modern Chinese and Contemporary Literature 文體與中國現當代文學

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

CHIN 2104ECF Genre and Modern Chinese and Contemporary Literature 文體與中國現當代文學 為一學期三個學分的 2000 程度科目，屬於教育及語文學院教育榮譽學士（普通話及中文教育）及語言研究榮譽學士（漢語語言學研究）學位課程中語言學研習範疇之選修科目。

學員修畢本科後，應能：

1. 瞭解中國現當代文學的基本特點；
2. 認識現當代文學與社會文化發展的關係；
3. 識別不同文學類型的特點及風格；
4. 掌握閱讀、分析、鑒賞文學作品的方法；
5. 提高鑒賞水平和文化素養。

CHIN 2132ECF Cantonese Studies and Its Application 粵語研究與應用

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

完成本學科後，學生能

1. 闡述粵語的定義、分佈類型及歷史發展；
2. 分析與粵語相關的文化現象；
3. 辨識粵語的語言學特徵，包括語音、詞彙、語法及書寫系統；
4. 比較粵語與現代標準漢語在語音、詞彙、語法及書寫上的異同；
5. 討論粵語在數碼時代中的語言學特徵。

CHIN 2244ECF Verbal and Non-Verbal Communication in Context 言語及非言語傳意

學分:	3
程度:	2000
授課語言:	中文
先修科目:	不需

課程旨在介紹不同職場(包括教學職業)應用言語及非言語傳意方式。除口頭匯報外,課程同時要求學生藉非言語技巧,如手勢、身體動作、面部表情、語氣等,以達至有效的溝通及傳意。

EDU 1158ECF Moral Education in Early Childhood Education 幼兒教育：德育探究

學分:	3
程度:	1000
授課語言:	中文
先修科目:	不需

EDU 1158ECF Moral Education in Early Childhood Education 幼兒教育：德育探究 是香港都會大學教育及語文學院開設的教育榮譽學士（幼兒教育：領導及特殊教育需要）學位課程的一個選修科目，修讀期為一學期，學分值 3 分。這門學科旨在讓學員理解和分析香港及不同國家發展道德教育的課題，亦會介紹如何教授德育知識和技能，以培養幼兒發展正面的價值觀、態度和行為。

EDU 1159ECF Play in Early Childhood Education 幼兒教育：遊戲探究

學分:	3
程度:	1000
授課語言:	中文

先修科目: 不需

EDU 1159ECF Play in Early Childhood Education 幼兒教育：遊戲探究 是香港都會大學教育及語文學院開設的教育榮譽學士（幼兒教育：領導及特殊教育需要）學位課程的一個選修科目，修讀期為一學期，學分 3 分。學科能讓學員認識不同學者之早期遊戲理論的發展，並分析遊戲在兒童學習和發展中的作用和價值。學員亦會討論不同地區的遊戲式學習活動和展示如何在早期教育環境中設計、實施和評估遊戲式學習活動。

EDU 2215EEF English Language Curriculum 英國語文科課程

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: For BEDELSEHJ1 students, Mandatory: EDU 1100EEF Learning and Teaching in the Hong Kong School Contexts 香港學校環境裏的學與教

EDU 2219EEF Curriculum and Assessment: Concepts, Principles and Practice 課程與評估：概念、原則與實踐

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Mandatory: EDU 2215EEF English Language Curriculum 英國語文科課程

EDU 2229ECF Principles and Practices in Assessment 評估理論與方法

學分: 3
程度: 2000
授課語言: 中文
先修科目: 不需

EDU 2254EEF Psychology of Learning and Teaching 學與教的心理學

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Nil

EDU 2266ECF Teaching Chinese Language Through Drama 戲劇教學法

學分: 3
程度: 2000
授課語言: 中文

先修科目: 不需

EDU 2266ECF Teaching Chinese Language Through Drama 戲劇教學法 作為一學期 3 個學分的科目，屬於教育及語文學院的教育榮譽學士(中國語文教學)及語言研究榮譽學士(應用中國語言)課程，為語言應用範疇之選修科目。完成本學科後，學生能

1. 闡釋以戲劇學習語言的理念；
2. 分析語言學習和戲劇教學法的關係；
3. 設計中文戲劇教案並闡述其理念；
4. 應用戲劇教學策略於語文教學上；
5. 評鑑和反思自己設計的戲劇教學方法。

EDU 3257ECF Children's Literature and Its Application 兒童文學與應用

學分: 3
程度: 3000
授課語言: 中文
先修科目: 不需

EDU 3258ECF Drama and Theatre for Children 兒童戲劇

學分: 3
程度: 3000
授課語言: 中文
先修科目: 不需

EDU 3258ECF Drama and Theatre for Children 兒童戲劇 為一學期三學分科目，屬於教育及語文學院的語言研究榮譽學士（應用中國語言）學位及教育榮譽學士（中國語文教學）及語言研究榮譽學士（應用中國語言）雙學位兩個課程，為語言應用範疇之選修科目。要取得此三學分，學生須到國立台灣藝術大學完成一個兩星期的課程。

學員須在兩個相似的學科中選擇一個，即 EDU 3257ECF Children's Literature and Its Application 兒童文學與應用（在香港完成）及 EDU 3258ECF Drama and Theatre for Children 兒童戲劇（在台灣完成）。兩個學科皆關於如何運用創作性語言（即文學語言和戲劇語言）於兒童的教學上：前者提及的文學作品可包括戲劇，而後者提及的戲劇作品則取材於兒童文學上。

EDU 3355ECF Introduction to Guidance, Discipline and Counselling 諮商、訓育與輔導導論

學分: 3
程度: 3000
授課語言: 中文
先修科目: 不需

EDU 4465EEF Methodology in English Language Teaching 英語教學法

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to develop in students:

1. knowledge of contemporary second language teaching methodologies; and
2. ability to formulate strategic planning on a yearly basis for raising student second language performance as informed by the methodologies aforementioned.

ENGL 2205EEF Preparing for IELTS 國際英語水平測試 (IELTS) 課程

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to:

1. Provide students with a sound foundation for sitting the IELTS (the International English Language Testing System) test;
2. Build up their proficiency in the four skills assessed;
3. Familiarize students with the examination components;
4. Provide them with extensive practice in tackling the types of test items they will face in IELTS.

ENGL 3345EEF Critical Analysis of Modern Literary Masterpieces 現代文學巨著賞析

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

PTH 3100ECF Advanced Putonghua Oral Proficiency Training 高級普通話口語

學分:	3
程度:	3000
授課語言:	中文

PTH 3255ECF Advanced Putonghua 高級普通話

學分:	3
程度:	3000

授課語言: 中文
先修科目: 不需

PTH3255ECF 高級普通話旨在幫助學生提升普通話語音、詞匯、語法及表達方式的規範程度以及朗讀、說話能力，參加國家普通話水平測試（PSC）。本科屬於教育及語文學院語言研究榮譽學士（應用中國語言）學位課程、教育榮譽學士（中國語文教學）及語言研究榮譽學士（應用中國語言）學位課程中教學專業研究範疇之必修科目。

PTH 3256ECF Preparing for National Putonghua Proficiency Test 普通話水平測試課程

學分: 3
程度: 3000
授課語言: 中文
先修科目: 不需

本科旨在幫助學生提升普通話語音、詞匯、語法及表達方式的規範程度以及朗讀、說話能力，參加國家普通話水平測試（PSC）。學生須到北京語言大學修讀本科目，為期約三個星期。在當地學習除了提升普通話水平，課程中包含的至少五次文化體驗課和相關文化活動（包括看京劇、文化習俗講座、學書法、遊覽藝術區和重要名勝等）亦有助豐富學生的見聞及對中國文化及歷史傳統的感受。學員須於 PTH 3255ECF（香港版本）和 PTH 3256ECF（北京版本）兩個學科中選擇其一。

School of Science and Technology

BIOL 1003SEF Essential Biology 基礎生物學

Credits: 3
Level: 1000
Medium of instruction: English
Prerequisites: Nil

The aim of this course is to provide students with a clear and concise framework of life sciences, facilitating students to identify the links and relationship between different sub-topics and to integrate all these knowledges at their higher years of study.

The course will begin with an overview of the scope, methodology and tools used in the studies of biological sciences. Students will be introduced with the chemical structures and properties of major biomolecules. The structures and different cellular functions which are crucial for lives in prokaryotic and eukaryotic cells will be introduced. The relationship between the classification of organisms, genome structure, genetics and evolution will also be covered. Finally, the course will end with an

introduction of different concepts in the study of ecology, which is the highest level of study in biological and life sciences.

BIOL 2002SEF Human Anatomy 人類解剖學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with a fundamental knowledge of the structures of human body. Its emphasis is on the organizational and structural features of organs and organ systems at macroscopic level. Correlated laboratories provide students an opportunity to view body structures and their relationships in three dimensions.

BIOL 2006SEF Cells in Health and Disease 健康與疾病細胞學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory BIOL 1003SEF Essential Biology 基礎生物學 and BIOL 2036SEF Cellular and Molecular Biology
Excluded Combination	BIOL 2005SEF Cells and Diseases 細胞與疾病

The aim of this course is to offer a foundational understanding of cell biology, with a particular focus on the role of essential pathways in the development of human diseases. The course content is organized around major cell biology themes, with specific types of diseases serving as case studies to explore and understand the underlying causes and mechanisms that contribute to the diagnosis, clinical manifestation, and outcome of various medical conditions.

BIOL 2012SEF Human Physiology 人體生理學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to acquire students' knowledge of integrative nature of human physiology, health-related issues and the appropriate interventions for diseases. The course will focus on an in-depth analysis of the human body's internal environment including the properties of major specialized cell types and functions of organs of the body. In exploring the science of human life, students will be

provided with an understanding of the essential concepts of physiology from the basic vital units to the physical, mechanical and biochemical functions of various systems of a human body. Students will be provided with a holistic view of how the different types of cells, tissues and organs are integrated.

BIOL 2035SEF Biochemistry and Microbiology 生物化學與微生物學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The overall aim of this course is to provide students with basic knowledge of fundamental biochemistry and microbiology. The course also provides students with knowledge of the basic principles as well as applications of commonly used biomedical and microbiological techniques in biomedical, environmental and testing sciences.

BIOL 2036SEF Cellular and Molecular Biology

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce students to the basic concepts of the functions of a cell at cellular and molecular level with the use of concrete examples and molecular genetics in organisms of different genome complexity.

BIOL 3001SEF Conservation and Biodiversity 自然保育與生物多樣化

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to help the students to understand the importance of biodiversity and the methods of classification. The course cultivates the students become more familiar with the concept of conservation in both political and scientific aspects. The course also introduces the principle of biological science for conservation and biodiversity, and helps the students to develop their abilities to contribute to nature conservation. Moreover, the course aids the students to implement conservation ideas through conducting a group project.

BIOL 3004SEF Pathophysiology 病理生理學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with the biological mechanisms of disease related to the physiological changes caused due to various types of common illnesses in the human body.

BIOL 3037SEF Practical Skills in Ecology 生態學實踐

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory BIOL 1003SEF Essential Biology 基礎生物學

The course aims to introduce the principles of ecology and develop techniques to conduct ecological survey for research or biodiversity assessments such as ecological impact assessments. Through conducting an individual ecological mini-project, the student will gain sufficient techniques for collecting and analysing ecological data and presenting their results in written report and presentation formats.

BIOL 3056SEF Biochemical and DNA Technologies 生物化學與 DNA 技術

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to provide students with comprehensive knowledge and concepts in modern biochemical and DNA technologies. Students will learn the working principles underlying the techniques of biochemical and DNA technologies as well as the applications of these techniques in scientific research and biotechnology industry.

BIOL 4006SEF Tools and Techniques in Biotechnology 生物科技的工具與技術

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory: BIOL 2036SEF Cellular and Molecular Biology BIOL 3056SEF Biochemical and DNA Technologies 生物化學與 DNA 技術

The course aims to introduce the key and contemporary tools and techniques in different branches of biotechnology. It also aims to emphasise the applications and ethical impact of biotechnology in life and medical sciences.

CHEM 1002SEF Essential Chemistry 基礎化學

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce to students the fundamental knowledge and concepts of chemistry at foundation university level. Applications of the fundamental chemistry in real life will also be discussed.

CHEM 2001SEF Nutrition & Food Chemistry 營養及食物化學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce students to the basic concepts of food and chemistry, and the application of essential laboratory techniques in identifying and measuring chemical components in food.

CHEM 2034SEF Physical and Organic Chemistry 物理與有機化學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce to students conceptual framework of physical and organic chemistry and develop their understanding of the basic principles of physical and organic chemistry.

CHEM 3050SEF Analytical Chemistry 分析化學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory SCI 1100SEF General Chemistry Laboratory Training 基礎化學實驗訓練 and CHEM 1002SEF Essential Chemistry 基礎化學

The course aims to provide students with the comprehensive knowledge in analytical chemistry. This course also develop students' capability to apply appropriate techniques and skills for effective chemical analysis.

CM 1002SEF Principles of Accounting and Financial Control for Construction 建築會計與財務控制原理

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

The aim of the course is to equip students with a comprehensive understanding of financial principles and controls specific to the construction industry, enabling them to effectively manage and optimize financial resources in construction projects. Through a well-structured curriculum, students will gain practical knowledge and skills essential for successful financial control within the construction sector.

COMP 1080SEF Introduction to Computer Programming 電腦程式編寫導論

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

The aim of this course is to develop in students the fundamental knowledge and skills in computer programming.

COMP 2020SEF Java Programming Fundamentals JAVA 程式編寫基礎

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with a sound foundation in software development using the object-oriented programming language Java.

COMP 2030SEF Intermediate Java Programming & User Interface Design 中級 JAVA 編程及用戶界面

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with more knowledge in Java programming as well as an introduction to user interface design.

COMP 2090SEF Data Structures, Algorithms and Problem Solving

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The aim of this course is to introduce intermediate level data structures to students. It provides students with basic methods and theories for designing programming solutions for larger problems.

COMP 2640SEF Discrete Mathematics 離散數學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The aim of this course is to lay the foundation of discrete mathematics of students which will be used in studying other computing courses.

COMP 2650SEF Design and Analysis of Algorithms 算法設計與分析

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce the algorithms in various domains, and techniques for designing efficient algorithms. It trains students the ability to analyze the time and space complexity and correctness of algorithms, and the skills to design solutions to problems.

COMP 2660SEF Computer Architecture 計算機體系結構

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

It is a core course in the fulltime face-to-face Bachelor of Computing with Honours in Internet Technology, and the Bachelor of Science in Computer Engineering programmes. This course aims to develop student knowledge in the design of modern programmable computers and the major components.

COMP 2670SEF Operating Systems 電腦操作系統

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to develop student knowledge in the design and functions of operating systems for the management of computing resources for program execution.

COMP 3120SEF Java Application Development JAVA 應用系統開發

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

This course aims to enable students to create maintainable software in Java to meet a great variety of computing requirements.

COMP 3122SEF Advanced Java Programming 進階 JAVA 編程

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Advisory
COMP 2020SEF Java Programming Fundamentals JAVA 程式編寫基礎

This course aims to enable students to create maintainable software in advanced Java programming to meet a great variety of computing requirements.

COMP 3130SEF Mobile Application Programming 流動應用程式編程

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

This course aims to provide students with concepts and skills in application development on mobile devices using software development tools and application programming interfaces.

COMP 3132SEF Mobile Application Design and Development 手機應用程式設計和開發

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Advisory
COMP 2020SEF Java Programming Fundamentals JAVA 程式編寫基礎

The aim is to provide students with concepts and skills in application development on mobile devices using software development tools and application programming interfaces.

COMP 3200SEF Database Management 數據庫管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

The aims of this course are to provide students an explanation of the concepts underlying the design and implementation of relational databases as well as practical experience in applying the concepts in different situations.

COMP 3500SEF Software Engineering 軟件工程

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce the concepts and applications of software engineering, explain their potential impacts on software productivity, quality assurance, cost and time to market during different software life cycles. Students will learn practical development skills in software design, implementation, testing and maintenance.

COMP 3510SEF Software Project Management 軟件項目管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory COMP 3500SEF Software Engineering 軟件工程

The course aims to equip students with the terminology, knowledge and skills in software project management (esp. for some students to practically prepare for their final year project).

COMP 3800SEF Web Applications: Design and Development 萬維網應用：設計與開發

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to enable students to develop web applications based on the three-tier architecture. Students will apply the techniques in a hands-on mini-project to build a web application.

COMP 3810SEF Server-Side Technologies and Cloud Computing 伺服器端技術及雲端運算

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

The course aims to equip students with the terminology, knowledge and skills in software project management (esp. for some students to practically prepare for their final year project).

COMP 3820SEF Web Application Development 網頁應用程式開發

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

This course aims to enable students to develop web applications based on the three-tier architecture. Students will apply the techniques in a hands-on mini-project to build a web application.

COMP 3920SEF Machine Learning 機器學習

Credits: 3
Level: 3000
Medium of instruction: English
Prerequisites: Nil

This course aims to introduce students to the field of machine learning, and develop them to apply machine learning algorithms to real-world problems.

COMP 4330SEF Advanced Programming and AI Algorithms 進階編程及人工智能算法

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Advisory COMP 1080SEF Introduction to Computer Programming 電腦程式編寫 導論 or COMP 2030SEF Intermediate Java Programming & User Interface Design 中級 JAVA 編程及用戶界面 or COMP 2090SEF Data Structures, Algorithms and Problem Solving

This course aims to introduce basic concepts and algorithms of artificial intelligence (AI) and to facilitate students to develop advanced programming skills to tackle sophisticated problems, especially using AI algorithms and techniques.

COMP 4570SEF Capstone Computing Project 電腦學專題項目

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide an opportunity for students to develop a computing solution for a non-trivial problem in an application or technical domain. Students in the course will integrate knowledge and techniques in computing acquired in earlier courses in the programme and manage the project progress until completion. All the projects will be university-industry collaborative projects.

COMP 4620SEF Concurrent and Network Programming 並行與網絡編程

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

COMP 4820SEF Data Mining and Analytics 數據挖掘與分析

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the key concepts, techniques and tools that would allow hidden patterns of data to be uncovered.

COMP 4900SEF Creative Programming for Games 遊戲創意編程

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to develop the students' capabilities in applying programming skills to develop games and creative applications. The course will enable students to design and develop games and creative applications with an appropriate integration of programming skills and techniques.

COMP 4930SEF Deep Learning 深度學習

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

The aim of this course is to introduce the basic concepts of deep learning technology and how it can be applied to modern data analysis. Various mathematics and software tools for deep learning will be introduced. The idea of parallel programming will also be discussed. Through a project, students will learn how to build a deep learning system and gain understanding of the internal mechanics.

COMP 4950SEF Professional Placement (Computer Science and Computing) 專業實習 (電腦科學及電腦學)

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

COMP 4950SEF is a face-to-face, three-credit-unit, and 4000-level course offered by the School of Science and Technology. It is an elective course in the full-time face-to-face B.Sc. (Hons) in Computer Science and B.Sc. (Hons) in Computing programmes. The course aims to provide an opportunity for students to gain first-hand practical experience in the workplace, and to develop communication and interpersonal skills through interacting with different stakeholders in the industry

ELEC 1010SEF Digital Logic Design 數碼邏輯設計

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with an understanding of the fundamental concepts and design of digital logic. The techniques for analysing and designing digital logic circuits and systems are also introduced.

ELEC 2010SEF Fundamentals of Electric Circuits 電路基礎

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The aim of this course is to provide students with the characteristics of some commonly used electric elements and analytical techniques used for analyzing electric circuits.

ELEC 2050SEF Signals and Systems 訊號與系統

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce the fundamental concepts of signals and systems to students in such a way as to equip them to specialize in diverse areas, such as signal processing, communication systems, circuit design and analysis, and control systems. The course focuses on the application of mathematical methods in analyzing signals and systems, and solving engineering problems.

ELEC 2100SEF Integrated Project 綜合研習項目

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to provide an opportunity for Year 1 students to apply their knowledge and techniques gained from other subjects in an integrated manner in order to solve a practical engineering problem. Students will work on a small-scale project in teams to solve the problem. Completion of the project requires problem-solving skills, as well as some basic knowledge of electronics, computer engineering, technical communication, and project management. The activities of brainstorming, information search, system design, system building, presentation, report writing, and teamwork will consolidate the students' technical knowledge as well as strengthen their soft skills. These components aim to prepare Year 1 students for handling engineering projects more effectively and professionally in the future.

ELEC 2410SEF Electronic Circuit Design 電子線路設計

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Mandatory ELEC 2010SEF Fundamentals of Electric Circuits 電路基礎

This course aims to provide students with an understanding of the concepts and design of electronic circuits. The course covers the analysis and basic design of electronic circuits containing diodes, BJT, MOSFET, and amplifiers.

ELEC 2620SEF Information System Administration 資訊系統管理

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The aim of this course is to equip students with basic knowledge of information system administration duties in different operating system contexts. It prepares students with requisite skills to perform information system administrator tasks including installation, supporting users, managing user accounts, making backups, writing scripts, managing databases and general maintenance of critical tasks in servers and other information systems.

ELEC 3000SEF Industrial Training 工業訓練

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

The students will need to attend 140 hours of in-house training in the electronic laboratory and computer laboratory. The training sessions cover topics on industrial safety, electronic testing methodologies, building electronic circuits, design and fabrication of printed circuit board (PCB), microcontroller applications, virtual instrumentation, product prototyping, computer-aided design and manufacturing (CAD / CAM), and computer network setup.

ELEC 3050SEF Computer Networking 電腦網絡

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with knowledge of the concepts and fundamental design principles of modern computer networking and to enable them to comprehend and evaluate various kinds of network protocols. It also equips students for further study of computer networks.

ELEC 3150SEF Routing and Switching Technologies 路由及交換網絡技術

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with the concept of IP routing and switching, to enable them to comprehend the associated routing protocols that can be utilized to route within autonomous systems, and to develop their practical skills in the configuration of routers and switches.

ELEC 3250SEF Computer and Network Security 電腦與網絡安全

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with a comprehensive introduction to electronic analogue circuits.

ELEC 3470SEF Multimedia Technologies 多媒體技術

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students the fundamental knowledge of audio, image and video data processing. This course covers various aspects of digital multimedia including the techniques for multimedia data processing and their compression technologies. The industrial coding standards and the communication of multimedia over the Internet are also presented.

ELEC 3630SEF Advanced Computer Design 高等電腦設計

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with in-depth knowledge of advanced computer architecture and develop students' ability in designing modern computer systems. The course covers various aspects of computer organization and recent architectural innovations. Techniques to enhance computer performance are introduced and studied. The important issues involved in the design and utilization of high-performance computer systems are also presented.

ELEC 4010SEF Professional Placement (Computer Engineering) 專業實習 (電腦工程)

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

ELEC 4010SEF is a face-to-face, three-credit-unit, and 4000-level course offered by the School of Science and Technology. It is an elective course in the full-time face-to-face B.Sc. (Hons) in Computer Engineering programme. The course aims to provide an opportunity for students to gain first-hand practical experience in the workplace, and to develop communication and interpersonal skills through interacting with different stakeholders in the industry.

ELEC 4020SEF Professional Placement (Cyber and Computer Security) 專業實習 (網路及電腦安全)

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

ELEC 4020SEF is a face-to-face, three-credit-unit senior-level course offered by the School of Science and Technology. It is an elective course in the fulltime face-to-face B.Sc. (Hons) in Cyber and Computer Security programme. The course aims to provide an opportunity for students to gain first-hand practical experience in the workplace, and to develop communication and interpersonal skills through interacting with different stakeholders in the industry.

ELEC 4310SEF Blockchain Technologies 區塊鏈技術

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce the concepts and applications of blockchain technologies, explain their potential impacts on different industries, and explore the latest techniques of permissionless and permissioned blockchains. Students will learn practical development skills in the two popular blockchain platforms (Ethereum and Hyperledger fabric) to understand blockchain programming and application development.

ELEC 4480SEF IoT Security 物聯網安全

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Advisory ELEC 2050SEF Signals and Systems 訊號與系統 or ELEC 3040SEF Communication Systems 通訊系統

This course aims to introduce students to the concepts of discovering vulnerability, risk assessments, researching in and recommending risk mitigation strategies for common security threats in Internet of Things (IoT) systems.

ELEC 4710SEF Digital Forensics 數碼鑑證

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to develop students' abilities to apply the principles of digital communication. It aims to enable students to analyze and design modern digital communication systems. It also equips students for further study of advanced communication.

ENGG 1001SEF Engineering Mechanics

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to equip students with analytical skills and to understand the principles of static and dynamic systems. It provides practice in modelling and analyzing load bearing system and provides both mathematical and graphical frameworks for force and stress analysis.

ENGG 2000SEF Electrical Science and Energy Efficiency 電機科學與能源效益

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with the necessary components and knowledge of electrical principles to understand various electrical circuit theories and able to read the fundamental electrical circuits, as well as electrical safety and energy efficiency in electrical applications. In addition, the course covers the applications of different electrical sensors and instruments in various industries. At the end of the course, students are able to read and understand the electrical circuit, identify and resolve general electrical safety and energy efficiency issues and measure different electrical parameters.

ENGG 2001SEF Foundation Engineering 地基工程

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory ENGG 1001SEF Engineering Mechanics or ENGG 2009SEF Engineering Geology & Soil Mechanics 工程地質與 土力學

The course aims to introduce students to the knowledge and basic principles of site investigation, design and construction of footing and piling foundations.

ENGG 2002SEF Fluid Mechanics 流體力學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The focus of this course is to introduce to students the fundamentals of fluid characteristics, fluid statics and buoyancy, dimensionless groups, fluid motion, laminar and turbulent flows, and apply the basic principles to solve practical problems in fluid mechanics.

ENGG 2003SEF Thermodynamics 熱能動力學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The aim of this course is to provide students a holistic introduction to thermodynamics, which includes the fundamentals of thermodynamics and its engineering applications. The basic theories of heat and mass transfer and its significances in building services engineering are introduced. At the end of the course, students will not only be able to understand the thermodynamics theory but also can apply the theory to solve the practical engineering problems.

ENGG 2004SEF Piped and Fire Services 管道及消防裝備

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory ENGG 2002SEF Fluid Mechanics 流體力學

This course equips students with the abilities to design basic water supply and drainage systems and water-based fire services systems in buildings and develop students' competence in making relevant decision that complies to engineering requirements on the systems. At the end of the course, the students can apply the theory to solve the practical engineering problems.

ENGG 2005SEF Electrical Technology 電機科技

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course equips students with the abilities to design for different electrical installations and protection systems in buildings and develop students' competence in making relevant decision that complies to engineering requirements on the systems. At the end of the course, the students can apply the theory to solve the practical engineering problems.

ENGG 2006SEF HVAC 供暖、通風及空調工程

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory ENGG 2002SEF Fluid Mechanics 流體力學 ENGG 2003SEF Thermodynamics 熱能動力學

This course aims to provide students with the essential knowledge and the practical aspects of heating, ventilating and air-conditioning (HVAC) systems for the design of air-conditioning systems for buildings by taking into consideration the heating and cooling load characteristics of buildings and performance characteristics of air-conditioning systems with an emphasis on both the design and the part-load performance of the systems. It also aims to develop students' competence to make relevant decisions that complies with requirement on energy efficiency of buildings and air-conditioning systems.

ENGG 2007SEF Water and Wastewater Treatment Techniques for Civil Engineering 土木工程的水與污水處理技術

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to introduce students to the basic knowledge of water and wastewater treatment technologies for water supply and wastewater disposals. The course provides students with the scientific foundations of water and wastewater treatment techniques and management approaches focusing on civil engineering.

ENGG 2008SEF Structural Analysis 結構分析

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory ENGG 1001SEF Engineering Mechanics

The course aims to introduce student to the fundamentals of structural analysis in terms of loads, modeling and analysis of structural elements and systems. It deals with determinate and indeterminate structures using various analysis methods.

ENGG 2009SEF Engineering Geology & Soil Mechanics 工程地質與土力學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory ENGG 1001SEF Engineering Mechanics

The course aims to introduce students to the basic knowledge of engineering geology and soil mechanics for civil engineering practice. The course provides the essential background for studies in foundation engineering, rock engineering and geotechnical designs.

ENGG 2060SEF Introduction to Material Science 材料科學入門

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The aim of this course is to provide students with fundamental understanding on material sciences. Upon completion of the course, students can explain the classification and various properties of materials by scientific approaches. Basic mechanical testing and processing of materials will also be delivered to the students.

ENGG 2090SEF Guided Industrial Training for Civil Engineering 土木工程工業訓練

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with hands-on and practical experience in different engineering practice, latest technologies and testing techniques through a series of guided workshop. Students are required to attend normally 300 hours of guided workshops. This training is scheduled only 4 days per week and in max. total ten weeks training workshops will take place in the qualified training centers.

ENGG 2091SEF Guided Industrial Training for Building Services Engineering 屋宇設備工程工業訓練

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with hands-on and practical experience in different engineering practice, latest technologies and testing techniques through a series of guided workshop. Students are required to attend normally 300 hours of guided workshops. This training is scheduled only 4 days per week and in max. total ten weeks training workshops will take place in the qualified training centers.

ENGG 3001SEF Project Management for Engineering 工程項目管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course is designed to provide students with concepts and principles of sustainable project and contract management in an organizational context. It aims to familiarize students with the sustainable working procedures within construction projects commonly adopted in the engineering field. Moreover, this course aims to flourish students' capabilities in effective planning and managing of engineering projects in a more green and sustainable manner.

ENGG 3005SEF Reinforced Concrete Design 混凝土結構的設計

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory ENGG 1001SEF Engineering Mechanics ENGG 2008SEF Structural Analysis 結構分析 ENGG 3042SEF Construction Materials 建築材料

The course aims to provide students the knowledge on structural design. It includes but not limited to ultimate limit state and service limit state designs of reinforced concrete beams, slabs, columns, and beam-column joints, as well as the rebar detailing. At the end of this course, the students should be able to identify the vertical and lateral loadings and load paths of a structure, and design of sections, structural members and joints using reinforced concrete.

ENGG 3021SEF Lighting Technology 照明技術

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with the essential knowledge and the practical aspects of lighting systems for the design indoor and outdoor environment by taking into lighting theories, characteristics of lighting system, human responses and environmental issues related to urban lighting design. It also aims to develop students' competence to make relevant decisions that complies with requirement on energy efficiency of buildings and lighting systems.

ENGG 3041SEF Non-Linear Analysis of Structures 結構非線性分析

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory: ENGG 2008SEF Structural Analysis 結構分析

This course aims to equip students with a solid understanding of the fundamental principles of material and geometric nonlinearity, structural instability, and plastic analysis of structural elements and systems. The course introduces the fundamental concepts of structural nonlinearity and plastic analysis. The curriculum is developed to provide students with basis of theorems and methods of plastic analysis in the context of non-linear analysis of structural elements and systems.

ENGG 3042SEF Construction Materials 建築材料

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with basic knowledge of common construction materials. It trains students to apply the principles to select the proper materials for a project considering construction and durability requirements.

ENGG 3043SEF Steel Structures 鋼結構

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory: <<ENGG 1001SEF >> ENGG 2008SEF Structural Analysis 結構分析 ENGG 3042SEF Construction Materials 建築材料

This course aims to equip students with the theoretical knowledge and practical skills required to design safe, efficient, and economical steel structures in compliance with relevant codes and standards. By the end of the course, students will be able to analyse and design steel structures for real-world applications, preparing them for professional practice or further academic study. The students enrolled are advised to have completed the courses including ENGG 1001SEF, ENGG 2008SEF, ENGG 3042SEF.

ENGG 3280SEF Engineering Professional Practice 工程專業實踐

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to develop students' responsibilities towards the profession, colleagues, employers, clients and the general public. It also provides an opportunity for students to learn the role of professional engineer and prepare for their career in the field of engineering.

ENVR 1000SEF Introduction to Environmental Science and Field Visit 環境科學導論及實地考察

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with an overview of environmental science and sustainability, and for them to gain knowledge in the subject and understand the basics of important habitats via field trip experiences.

ENVR 2036SEF Environmental Pollution and Control 環境污染與控制

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course offers detailed knowledge and insight into various types of environmental pollution and practical approaches to their control and management. The course provides a thorough understanding of the processes responsible for the occurrence and release of pollutants into the environment, the degradation of environmental quality as an example of the interactions between natural and human systems, and the practical approaches to control (protect, mitigate or prevent) environmental pollution issues.

ENVR 3041SEF Environmental Management Systems and Sustainable Product Life Cycle 環境管理系統及可持續產品生命週期

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory ENVR 2036SEF Environmental Pollution and Control 環境污染與控制

The course aims to help students develop the knowledge and skills needed to address the multi-disciplinary issues of environmental protection. The course helps students become more familiar with current trends in environmental management. The course also introduces to students the importance of sustainable product life cycle in green management. Students will learn how to analyse cases of special environmental interest and become competent in dealing with environmental management in Hong Kong and the Pearl River Delta. The course includes a group project that helps to train students in implementing environmental management and auditing procedures in the workplace.

ENVR 3042SEF Environmental Regulations and Resources Management 環境法規和資源管理

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to help students becoming more familiar with the history and current trends in environmental management and environmental legislation. Students will learn how to analyse cases of special environmental interest and become competent in dealing with environmental management and legislation in Hong Kong, the Greater Bay Area and Mainland China.

ENVR 4028SEF Advances in Environmental Impact Assessment 環境影響評估進階

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce, examine, analyse, and explain the various aspects of contemporary Environmental Impact Assessment (EIA). The knowledge and skills obtained in applied biology, chemistry, environmental sciences and other science subjects will be applied to evaluate the environmental impacts caused by developments. The local situations and statutory practices of Hong Kong will be given thematic examinations against the global trends and recent developments in EIA.

ENVR 4074SEF Green Environmental Monitoring in Practice 綠色環境監察的實踐

Credits:	3
Level:	4000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to expose students to a wide variety of environmental testing and certification topics of local and worldwide concern. Students will develop comprehensive knowledge and practical skills in the field of environmental testing and certification, in such that they can apply appropriate techniques to evaluate the physical, microbiological and analytical chemistry parameters of various environmental samples and conditions.

IT 1020SEF Computing Fundamentals 計算機基礎

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce a number of basic concepts concerning computing and information technology. It relates data, information, and computing systems to personal, cultural, social and technological contexts. It provides a foundation for future study in computing fields.

IT 1030SEF Introduction to Internet Application Development 互聯網應用開發概論

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce the fundamental skills in web programming or developing internet applications. It also introduces the concepts of software development, human-computer interaction and security issues of internet application development.

IT 2900SEF Human Computer Interface and User Experience Design 人機互動與使用者體驗設計

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces students to the key concepts, theories and best practices used by user experience engineers to design usable interfaces and improve the quality of interaction with computer-based systems.

MATH 1410SEF Algebra and Calculus 代數與微積分

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with an understanding of the fundamental concepts in algebra, calculus, and techniques of differentiation, integration, and complex numbers. The course also aims to provide a transition between school and university mathematics.

MATH 2150SEF Linear Algebra 線性代數

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to provide conceptual understandings and computational techniques of linear algebra. Linear algebra has wide applications to diverse areas in data science, engineering, business and social

science.

MATH 2850SEF Multivariable Calculus 多變量微積分

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Mandatory MATH 1410SEF Algebra and Calculus 代數與微積分 (Restricted to Year 1 entry only)

This course aims to prepare students with fundamental mathematical and analysis methods in advanced calculus. It trains students the ability to think quantitatively and apply appropriate multivariable approaches to a variety of practical problems in science and engineering applications.

SCI 1000SEF Basic Sciences for Engineers 工程師基礎科學

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course covers a broad scope of topics in physics, including mechanics, heat, wave and optics, electricity, and magnetism. Students will investigate the fundamentals of these topics and become able to apply them to solve real problems in science and engineering.

SCI 1100SEF General Chemistry Laboratory Training 基礎化學實驗訓練

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce to students the fundamental laboratory techniques and skills commonly used in chemical laboratories.

SCI 1101SEF General Biology Laboratory Training 基礎生物學實驗訓練

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to equip students with fundamental skills, techniques and knowledge which are essential in biology laboratories. Basic concepts underlying the design of experiments will also be discussed and practiced.

SCI 2005SEF Public Health and Infection Control 公共衛生和感染控制

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory BIOL 1003SEF Essential Biology 基礎生物學 SCI 1010SEF Laboratory Safety and Good Laboratory Practice 實驗室 安全與優良實驗室規範

The overall aim of this course is to provide students with an overview of the role of public health and epidemiology in preventing and controlling the spread of diseases at the individual and community levels, various epidemiological concepts related to infectious diseases, the principle and practical skills of infection controls, and a discussion on the (re)emergence of new infectious diseases in future.

SCI 2006SEF Pharmacology and Toxicology 藥理及毒理學

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with basic knowledge in principles of pharmacology and toxicology and sound knowledge of the actions of many of the important groups of drugs used in the treatment of common diseases.

SCI 2100SEF Microbiology Laboratory Training I 微生物學實驗訓練 (一)

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Mandatory SCI 1101SEF General Biology Laboratory Training 基礎生物學實驗訓練 (restricted to Year-1 entry)

This course aims to equip students with essential laboratory techniques in microbiology and the corresponding fundamental knowledge and principles. Additionally, the course will focus on enhancing students' ability to design experiments related to microbiology.

SCI 2101SEF Chemical Analysis Laboratory Training I 化學分析實驗訓練 (一)

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Mandatory SCI 1100SEF General Chemistry Laboratory Training 基礎化學實驗訓練 (Restricted to Year 1 entry only)

This course aim to equip students with the chemical principles and laboratory techniques essential in analytical science, thereby enhancing students' problem-solving abilities. The laboratory practical works in this course will illustrate the physical and chemical principles that students have learned in other chemistry courses. These practical sessions will equip students with chemical analytical techniques and skills that will be beneficial in their senior years of study and future careers in analytical science. Furthermore, students will learn about the underlying principles of designing analytical methods. They will be guided to develop their own experimental procedures for specific tasks assigned to them.

SCI 2102SEF DNA & Biochemical Analysis Laboratory Training I DNA 及生物化學分析實驗室訓練 (一)

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Mandatory
SCI 1101SEF General Biology Laboratory Training 基礎生物學實驗訓練 (Restricted to Year 1 entry only)

Advisory
BIOL 1003SEF Essential Biology 基礎生物學

This course aims to equip students with basic laboratory techniques commonly used in DNA and biochemical analysis and fundamental knowledge of their principles. Students' ability to design experiments utilizing techniques in DNA and biochemical analysis will also be trained.

SCI 2103SEF Environmental Analysis and Practical Training I 環境分析和實踐培訓 I

Credits: 3
Level: 2000
Medium of instruction: English
Prerequisites: Advisory
SCI 2100SEF Microbiology Laboratory Training I 微生物學實驗訓練 (一)
CHEM 1002SEF Essential Chemistry 基礎化學
BIOL 2035SEF Biochemistry and Microbiology 生物化學與微生物學

This course aims to equip students with basic field and laboratory techniques commonly used in environmental science and fundamental knowledge of their principles. Students' ability to design experiments utilizing sampling apparatus and analytical instrument will also be trained.

SCI 3030SEF Scientific Research Methods 科學研究方法

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to equip students with the essential skills and knowledge required to conduct scientific research effectively. Students will learn to identify and explain the steps in the research process, plan and prepare research projects in areas of interest, and utilize appropriate print and electronic information sources for literature reviews. The course also introduces students to qualitative and quantitative research approaches, enabling them to analyze and interpret research data using statistical methods. By the end of the course, students will be able to present and report the results of scientific research in a clear and professional manner.

SCI 3031SEF Biostatistics 生物統計學

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce key statistical principles and concepts that are relevant to biological, biomedical and environmental sciences, develop students' competence in utilizing statistical software for data analysis, foster their ability to critically evaluate statistical approaches used in research literature, and empower them with the analytical skills necessary for experimental design and data interpretation in their future scientific careers.

SCI 3065SEF Food Analysis 食品分析

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory: CHEM 3050SEF Analytical Chemistry 分析化學

The course aims to help the students develop the understanding on current international standards and regulations of food analysis, and on the application of the techniques in determining the composition, nutritional labelling, safety and quality of food products. In addition, this course provides students with practical and hand-on experience on some analytical instruments.

SCI 3100SEF Microbiology Laboratory Training II 微生物學實驗室訓練 (二)

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory BIOL 1003SEF Essential Biology 基礎生物學 BIOL 2035SEF Biochemistry and Microbiology 生物化學與微生物學 SCI 1101SEF General Biology Laboratory Training 基礎生物學實驗訓練 SCI 2100SEF Microbiology Laboratory Training I 微生物學實驗訓練 (一)

This course aims to equip students with more specialized and practical laboratory techniques commonly used in microbiology and certain knowledge of their principles. Students' ability to perform experiments, analyze data in microbiology and work independently will also be trained.

SCI 3101SEF Chemical Analysis Laboratory Training II 化學分析實驗訓練 (二)

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory: CHEM 1002SEF Essential Chemistry 基礎化學 <<CHEM 3050SEF >> SCI 1100SEF General Chemistry Laboratory Training 基礎化學實驗訓練 SCI 2101SEF Chemical Analysis Laboratory Training I 化學分析實驗訓練 (一)

This course provides students with intensive practical training with the integration of basic principles, methodologies and instrumentations of major analytical techniques. Students' ability to perform experiments, analyse data in chemistry and work independently will also be trained.

SCI 3102SEF DNA and Biochemical Analysis Laboratory Training II DNA 及生物化學分析實驗室訓練 (二)

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory: BIOL 1003SEF Essential Biology 基礎生物學 SCI 2102SEF DNA & Biochemical Analysis Laboratory Training I DNA 及生物化學分析實驗室訓練 (一)

This course aims to prepare students for more advanced and real-life experimental tasks in molecular biology in their final-year projects or the workplace. Students will also apply the concepts and elements in experimental design to plan a valid and reliable experiment in order to answer a given scientific question related to DNA and biochemical analysis.

SCI 3103SEF Environmental Analysis and Practical Training II 環境分析和實踐培訓(二)

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Advisory: SCI 2101SEF Chemical Analysis Laboratory Training I 化學分析實驗訓練 (一) SCI 2103SEF Environmental Analysis and Practical Training I 環境分析和實踐培訓 I

This course aims to provide students with intensive field, wet and dry laboratory training, integrating advanced biodiversity assessment techniques with conventional ecological sampling methods. Through hands-on experience in field, species identification using conventional and molecular approach, and data interpretation, students will develop the skills to design and execute biodiversity assessment independently. The course also fosters critical thinking in data interpretation and ecological problem-solving, ensuring graduates are equipped with both theoretical knowledge and practical skills to tackle real-world challenges in conservation, ecosystem monitoring, and environmental management.

ST 1020SEF Computer Applications for Control and Automation 用於控制和自動化的計算機應用

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This course covers the basic topics in the computer applications for control and automation, including data analysis by spreadsheet, programming, data acquisition, instrument control and automation in automatic equipment. Students will investigate the fundamentals of these topics and become able to apply them to solve real problems in related disciplines.

STAT 1510SEF Probability and Distributions 概率與統計分佈

Credits:	3
Level:	1000
Medium of instruction:	English
Prerequisites:	Nil

This is an introductory course in probability distributions and statistics. The course aims to teach the basic concept of probability, probability distributions and related statistics with applications to various problems.

STAT 2510SEF Statistical Data Analysis 統計數據分析

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course offers a practical training experience to help students to develop an analyst's approach to collect and manage scientific data. The course will equip students with important data analytics tool and techniques that includes statistical data analytics skills, data visualization, statistical experiments, sampling and inferential statistics, interpretation and decision making to increases credibility and reliability of problem solving.

STAT 2520SEF Applied Statistical Methods 應用統計方法

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce commonly used statistical methods for data analysis, model building, and informed decision-making. Key topics include Chi-square tests, analysis of variance, linear regression, and logistic regression. Through hands-on experience, students will learn to apply standard statistical inference procedures, formulate statistical models with appropriate data types, utilize statistical tests for contingency tables, and interpret analysis results to make informed judgments.

STAT 2610SEF Data Analytics with Applications 數據分析及其應用

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to introduce the basic concepts of data, applications of data and different tools for fundamental data analysis.

STAT 2630SEF Big Data Analytics with Applications 大數據分析與應用

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course introduces the basic concepts of big data, big data applications, and analytical tools for fundamental big data analysis.

STAT 3110SEF Time Series Analysis and Forecasting 時間序列分析與預測

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

The course aims to develop in students understanding the concepts and techniques of time series and forecasting methods for data analysis in different aspects.

STAT 3660SEF SAS Programming SAS 軟件編程

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to equip students with a solid foundation in data manipulation techniques using SAS programming language. SAS program is one of the flagship tools used by many of the Fortune 500 companies in the area of data analytics. Its statistical results are always considered to be the gold standard among various software products in the data analytics industry. Students are expected to be equipped with skills to read and create data files, manipulate and transform data, combine SAS data sets, create summary reports and correct data, syntax and programming logic errors after the completion of this course.

TC 2020SEF Metrology and Calibration 計量學與校正

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Advisory SCI 1001SEF University Science 大學科學

This course covers a wide scope of topics in metrology and calibration, which includes discussions of principles of metrology, realization of SI units, considerations in equipment calibration and verification, and practical application of calibration and verification of selected equipment. Students will study the principles of these topics in the lectures and tutorials, and be capable to apply appropriate calibration procedures in the practical laboratory sessions.

TC 2040SEF Industrial Placement I 工業實習 (一)

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with hand-on experience in a real working environment in the Testing and Certification industry and exposing them to real operation and work culture in the industry. Each student will be attached to a local testing and certification organizations and work for the period of twenty weeks.

TC 2080SEF Principles of Product Design and Manufacturing Process Management 產品設計 原理與生產製程管理

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

As testing, inspection and certification is commonly taken place in today's product manufacturing and management processes, the aim of this course is to let students obtain general and board sense knowledge on product design and manufacturing process management so that they can efficiently provide effective solution once they are engaged for service in the industry.

TC 2090SEF Guided Industrial Training 工業訓練

Credits:	3
Level:	2000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with hand-on practice to learn the practical skills of engineering practice, measurement and testing techniques through a series of guided workshops.

TC 3020SEF Measurement Uncertainty and Test Method Development 測量不確定性和方法確認

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

This course aims to provide students with comprehensive knowledge of measurement uncertainty and test method development for the testing and certification industry.

TC 3030SEF Physical and Mechanical Behaviour of Materials 材料的物理和機械特性

Credits:	3
Level:	3000
Medium of instruction:	English
Prerequisites:	Nil

TC 3030SEF Physical and Mechanical Behaviour of Materials 材料的物理和機械特性 is a 3-credit, one term, higher-level course for students enrolled in the Bachelor of Science with Honours in Testing and Certification programme. The overall aim of this course is to provide students with knowledge in physical and mechanical behavior of materials such that they can equip with the basic requirements to perform physical and mechanical testing of materials.