

元智大學資訊管理學系 必修科目表
Department of Information Management at Yuan Ze University
List of Required Courses
(109 學年度入學新生適用)

(Applicable to Students Admitted in Academic Year of 2020)

109.05.06 一〇八學年度第六次教務會議通過

Passed by the 6th Academic Affairs Meeting, Academic Year 2019, on May 06, 2020

109.11.11 一〇九學年度第二次教務會議修訂通過

Amended by the 2nd Academic Affairs Meeting, Academic Year 2020, on November 11, 2020

112.04.06 一一一學年度第十三次系務會議修訂通過

Amended by the 13th Departmental Meeting, Academic Year 2022, on April 06, 2023

學年 Academic Year 學期 Semester 科目 Subject	第一學年 1 st Academic Year		第二學年 2 nd Academic Year		第三學年 3 rd Academic Year		第四學年 4 th Academic Year	
	上 Fall	下 Spring	上 Fall	下 Spring	上 Fall	下 Spring	上 Fall	下 Spring
共同必修科目 University Compulsory (21)	國文(一) Chinese (I) (2)	國文(二) Chinese (II) (2)						
	英語(一) English (I) (2)	英語(二) English (II) (2)						
	基礎程式設計 (一) Fundamental Computer Programming(I) (2)	基礎程式設計 (二) Fundamental Computer Programming(II) (2)						
	<p>程式語言共 4 學分，依各院修課規則辦理。(開課名稱：基礎程式設計) Fundamental Computer Programming is a four-credit course. For those who would like to registered “Fundamental computer programming”, he/she has to meet the college requirement. (Course Name: Fundamental Computer Programming)</p> <p>外語課程應依「通識外語修課規定」修習，共計 10 學分。 1. 「英語(一)」及「英語(二)」為基礎課程，採能力分級上課，共計二學期四學分。 2. 除了「英語(一)」及「英語(二)」外，應修習主題式英語課程三學期 5 學分，畢業前需修畢三個不同英語課程，始取得畢業資格。大一英語能力後測 TOEIC 模擬測驗成績未達 350 分者，應修習「應試加強班」，修習「應試加強班」期間之期末 TOEIC 模擬測驗成績未達 350 分者，則該科成績將「不及格」，並應再次修習「應試加強班」，直到取得 TOEIC 模擬測驗分數達 350 分(含)始得修習其他主題式英語課程。 3. 另開設「英語檢定」計一學期 1 學分，「英語檢定」之修課限制與注意事項，請參照「英語檢定」修課規定，並由通識教學部公佈後施行。 外國學生改修華語須經國際語言文化中心審核通過始可改修華語課程 10 學分，其華語課程 10 學分應含「華語檢定」1 學分，「華語檢定」修課限制與注意事項，請參照「英語檢定」修課規定。 凡本校大學部外國學生(不含交換生)修習「華語一」或「華語二」任一課程成績未達 60 分，不得修習「華語三」、「華語四」、「華語五」、「華語六」，若修習「華語三」、「華語四」任一課程成績未達 60 分，不得修習「華語五」或「華語檢定」。 The undergraduate students must complete 10 required credits of foreign language courses as follows: ● English (I), (II): 4 credits ● English thematic course: 5 credits ● English Test: 1 credit English (I) and (II) are 4 credits elementary courses for the freshmen who are grouped on English competence-based to complete within two semesters. English thematic courses are 5-credit of English courses; students are required to obtain 5 credits through 3 different thematic courses for graduation. For the requirements of registering “English Testing”, please refer to “the Regulation for Registering English Test” announced and implemented by the College of General Education. Foreign students need approval by ILCC for taking 10 credits of Mandarin Chinese courses as alternative courses of English. The undergraduate foreign students, exchange students excluded, must score 60 points or higher to pass Mandarin Chinese (I) and (II) before taking Mandarin Chinese (III), (IV), (V), and (VI). Students must score 60 points or higher in Mandarin Chinese (III) and (IV) before taking Mandarin Chinese (V) and (VI). 英語檢定 English Testing (1)、經典五十 Fifty Canonized Books (2)、服務學習 Service Learning (1)</p>							
	體育 Physical Education (0)	體育 Physical Education (0)	體育 Physical Education (0)	體育 Physical Education (0)				

	體育除修習大一至大二4個學期外，另需通過「游泳能力檢定」及「心肺適能檢定」等二項檢測，列為畢業門檻。 Beside taking PE courses for 4 semesters (Year 1 to 2), students must pass both swimming and cardiopulmonary function tests.							
通識教育科目 General Education (10)	通識課程分為人文藝術、自然科學、社會科學及生命科學四大類。學生須於四大領域中各選修2學分課程，共計8學分。General Education program comprises four categories: Humanities, Natural Science, Social Science and Life Science. Students are required to take a 2-credit course from each category to get 8 credits before graduation. 通識跨域課程 General Education Interdisciplinary Course: 此2學分學生可自由於通識講座課程、微課自主學習或在地多元文化課群中選課。惟外籍生與工程學院英語學士班、資訊學院英語學士班、人文社會學院英語學士班、電機通訊學院英語學士班學生仍須於四大領域中選課，依各院修課規定辦理。Students can select the 2 credits from a General Education Lecture course, Micro Credit courses, Self-Study courses, or Local-Multicultural courses. Only foreign students and undergraduates of International Programs in the Colleges of Engineering, Informatics, Humanities and Social Sciences, as well as Electrical and Communication Engineering are required to take a 2-credit course from the four categories according to each college's policy before graduation.							
系必修科目 Department Compulsory (74) (77)	微積分(一) Calculus(I) IM127 (3)	微積分(二) Calculus(II) IM128 (3)	統計學(一) Statistics(I) IM231 (3)	統計學(二) Statistics(II) IM232 (3)	專業實習講座 Seminar on Vocational Training IM349 (1)	專業實習／專題製作(一) Vocational Training / Independent Study(I) IM329 (3)	專業實習／專題製作(二) Vocational Training / Independent Study(II) IM440 (1)	軟體專案管理 Software Project Management IM307 (3)
	經濟學 Economics IM122 (3)	會計學 Accounting IM121 (3)	離散數學 Discrete Mathematics IM216 (3)	線性代數 Linear Algebra IM224 (3)	管理科學 Management Science IM316 (3)	生產與作業管理 Production and Operations Management IM408 (3)	決策支援系統 Decision Support Systems IM402 (3)	
	計算機概論 Basic Computer Concepts IM112 (3)	管理資訊系統 Management Information Systems IM132 (3)	資料結構 Fundamental of Data Structures IM214 (3)	資料庫管理 Database Management IM208 (3)	系統分析與設計 System Analysis and Design IM303 (3)		行銷管理 Marketing- Management IM218 (3)	
	程式設計(一) Programming (I) IM119 (3)	程式設計(二) Programming (II) IM120 (3)	管理學 Management IM106 (3)	網際網路程式設計 Internet Programming IM226 (3)	服務與科技管理 Service and Technology Management IM332 (3)			
					財務管理 Financial Management IM313 (3)			
學期學分小計 Credit each semester	12	12	12	12	13	6	4 7	3

備 註 Remarks	<p>1.括弧內數字為學分數。Numbers in brackets mean credits.</p> <p>2.「學期學分小計」指系必修科目學分數之合計。 “Credits each semester” means the amount of credits gained in department compulsory courses.</p> <p>3.「微積分(一)、會計學、程式設計(一)、程式設計(二)、統計學(一)、統計學(二)、資料結構」等課程均需修「零學分的演習課」，其中「程式設計(一)、程式設計(二)」之演習課為 2 小時，其餘為 1 小時。 Drills required for students taking Calculus (I) & (II), Accounting, Programming (I) & (II), Statistics (I) & (II), and Fundamental of Data Structures; 2-hour drill for Programming (I) & (II), 1-hour drill for the others.</p> <p>4.「專業實習/專題製作(一)、(二)」為本系終端學習課程，學生須於「專業實習/專題製作(二)」展現成果。 Vocational Training / Independent Study (I) & (II) are the terminal courses of the department, of which students' achievements must be shown in Vocational Training / Independent Study (II).</p> <p>5.「專業實習/專題製作(一)」為本系必修「議題導向實作專題課程」3 學分。 Vocational Training / Independent Study (I) is a compulsory three-credit course of "Topic and Implementation-oriented courses".</p> <p>6.「程式設計(二)、網際網路程式設計、系統分析與設計、行動裝置程式設計、Python 程式設計」為本系「數位應用相關課程」，畢業前須修習至少 2 門「數位應用相關課程」(可至本系或外系修習)。 Programming (II), Internet Programming, System Analysis and Design, Mobile Device Programming, and Python Programming are courses of 'digital application courses'. Students require taking at least two 'digital application courses'. (Student may take 'digital application courses' from another department.)</p> <p>7.本系同學應修共同必修及通識課程共 31 學分、本系必修科目 7477 學分、其餘選修科目 2623 學分(外系選修至多承認 17 學分，與他系合作之學程，依學程規定承認最高學分)，總共必須修滿 131 學分方可畢業。 Student of Dept. of IM are required to undertake University Compulsory and General Education courses (31), Department Compulsory courses (7477), and Elective courses (2623), making 131 credits in total for graduation. (Outside the Department of elective up to recognize the (17) credits, and the cooperation courses with other departments, according to the provisions of the highest recognition of credit)</p> <p>8.本系必修科目必須在系上修習方予承認，如有特殊原因需至外系修習者，需於選課時經系主任核准，其學分始得承認。 Department Compulsory courses must be undertaken within the department, if an individual needs to undertake any of them in other departments, the credits can be admitted only when it's been approved by the Department Chair .</p> <p>9.有關共同必修及通識教育科目之詳細規定，另依據「元智大學共同必修科目表」之規定辦理。 Please refer to Yuan Ze University Common Required Course List for General Education courses information and regulations.</p> <p>10.通識教育科目學分只採計至多 10 學分，超修之學分將不列入畢業學分。 The maximum credits for general education courses is 10, the exceeding credits will not be counted.</p> <p>11.為增進學生英文能力，鼓勵選修英語授課課程(含英專班)，其修習之課程科目及學分數之認抵需依學系規定辦理。 To improve students' English, we encourage students to take the courses in English (including English Bachelor), which courses and credits waiver and transference should be standardized by each department.</p>
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元智大學資訊管理學系 選修科目表
Department of Information Management at Yuan Ze University
List of Elective Courses
(109 學年度入學新生適用)

(Applicable to Students Admitted in Academic Year of 2020)

109.05.06 一〇八學年度第六次教務會議通過
 Passed by the 6th Academic Affairs Meeting, Academic Year 2019, on May 06, 2020
 110.11.24 一一〇學年度第二次教務會議修訂通過
 Amended by the 2nd Academic Affairs Meeting, Academic Year 2021, on November 24, 2021
 111.04.20 一一〇學年度第六次教務會議修訂通過
 Amended by the 6th Academic Affairs Meeting, Academic Year 2021, on April 20, 2022
 111.11.16 一一一學年度第二次教務會議修訂通過
 Amended by the 2nd Academic Affairs Meeting, Academic Year 2022, on November 16, 2022
 112.04.06 一一一學年度第十三次系務會議修訂通過
 Amended by the 13th Departmental Meeting, Academic Year 2022, on April 06, 2023

學年 Academic Year 學期 Semester 科目 Subject	第一學年 1 st Academic Year		第二學年 2 nd Academic Year		第三學年 3 rd Academic Year		第四學年 4 th Academic Year	
	上 Fall	下 Spring	上 Fall	下 Spring	上 Fall	下 Spring	上 Fall	下 Spring
系 選 修 科 目 Department Elective	資訊與法律 Information and Law IM409 (3)	資訊社會概論 Introduction to Information Society IM125 (3)	資訊管理會計 Information Managerial Accounting IM234 (3)	資訊系統與安 全設計 Information Systems and Security Design IM235 (3)	計算機組織 Computer Organization IM314 (3)	計算機 作業系統 Operating Systems IM407 (3)	行銷管理 Marketing Management IM218 (3)	資訊管理個案 Cases Study of Information Management IM406 (3)
		資訊倫理 Information Ethics IM325 (3)	資訊科技 英文導論 English for Information Technology IM229 (3)	演算法 Algorithms IM221 (3)	大數據處理與 分析技術 Big Data Management and Statistical Analysis IM340 (3)	資訊決策理論 Information Decision Theory IM338 (3)	軟體工程 Software Engineering IM416 (3)	顧客關係資訊 管理 Customer Relationship Information Management IM436 (3)
		總體資訊經濟 學 The Economics of Macroinformat ion IM130 (3)	數據分析導論 Introduction to Data Analytics IM236 (3)	多媒體概論 Introduction to Multimedia IM230 (3)	資料庫管理 實務 The Design and Implementatio n of Database Systems IM321 (3)	財務資料分析 專題 Financial Data Analytics IM339 (3)	企業資源資訊 規劃導論 Introduction to Enterprise Resources Information Planning IM434 (3)	策略分析 Strategy Analysis IM437 (3)
		數據產業概論 Introduction on Data Industry IM131 (3)	JAVA 程式設 計 JAVA Programming IM239 (3)	離散數學 專題 Topics in Discrete Mathematics IM228 (3)	網路規劃 實務 Practices of Computer Network Design IM324 (3)	知識管理 Knowledge Management IM336 (3)	供應鏈管理 導論 Introduction to Supply Chain Management IM424 (3)	電子商務 Electronic Commerce IM410 (3)
			數位行銷實務 Digital Marketing in Practice IM241 (3)	全球資訊發展 概論 Introduction of Global Information IM233 (3)	資訊產業經濟 學 Economics of Information Industry IM344 (3)	人工智慧應用 Application to Artificial Intelligence IM304 (3)	生物資訊概論 Introduction of Bioinformatics IM433 (3)	通訊科技與 管理 Communicatio n Technologies and Management IM432 (3)

				資訊網路 Computer Networks IM323 (3)	資訊人員溝通 MIS Professional Communication IM337 (3)	資料探勘 IM341 Data Mining (3)	專業實習(一) Vocational Training (I) IM427 (2)	雲端計算實務 The Lab Practice of Cloud Computing IM431 (3)
				大數據視覺化 技術 Big Data Visualization Technology IM237 (3)	資訊安全管理 概論 Introduction to Information Security Management IM334 (3)	大數據創新應 用專題 Innovation Topics on Big Data IM342 (3)	專業實習(二) Vocational Training (II) IM428 (3)	企業資訊安全 實務與創新 Enterprise Information Security Practices and Innovation IM442 (3)
				行動裝置程式 設計 Mobile Device Programming IM240 (3)	物聯網資安威 脅偵測與鑑識 Internet of Things Security Threats Detection and Forensics IM343 (3)	量化研究方法 實務 Practice of Quantitative Social Research IM347 (3)	專題製作(一) Field Study (I) IM429 (2)	
				資訊安全概論 Introduction to Information Security IM335 (3)	Python 程式設 計 Python Programming IM345 (3)	網路安全 Network Security IM348 (3)	專題製作(二) Field Study (II) IM430 (3)	
					物聯網入侵偵 測理論與實務 Theory and practice of IOT intrusion detection IM346 (3)	雲端服務資安 Cloud service security IM353 (3)	文本與網頁分 析 Text and Web Analytics IM439 (3)	
					作業系統資安 實務 Operating System Security IM351 (2)			
					數位鑑識 Digital Forensics IM352 (2)			
					區塊鏈及其應 用 Blockchain and its Application IM356 (3)			
備 註 Remarks								