

## 國立高雄大學資訊管理學系大學部專業必選修科目表

### National University of Kaohsiung, Department of Information Management, Master's Program Required and Elective Courses List

#### 114 學年度入學新生適用 (For students admitted after the 2025 Academic Year)

- 民國 96 年 3 月 5 日 95 學年度第 2 學期第 1 次系務會議修正通過  
Approved and amended on March 5, 2007, by the 1nd Department Meeting of the 2nd Semester of the 95<sup>th</sup> Academic Year
- 民國 96 年 4 月 30 日 95 學年度第 2 學期第 2 次系務暨課程會議修正通過  
Approved and amended on April 30, 2007, by the 2nd Department Meeting and Curriculum Meeting of the 2nd Semester of the 95<sup>th</sup> Academic Year
- 民國 101 年 10 月 29 日 101 學年度第 1 學期第 3 次系務會議與課程會議修正通過  
Approved and amended on October 29, 2012, by the 3rd Department Meeting and Curriculum Meeting of the 1st Semester of the 101<sup>th</sup> Academic Year
- 民國 101 年 12 月 3 日 101 學年度第 1 學期第 3 次課程委員會會議修正通過  
Approved and amended on December 3, 2012, by the 3rd Department Curriculum Meeting of the 1st Semester of the 101<sup>th</sup> Academic Year
- 民國 101 年 12 月 24 日 101 學年度第 1 學期第五次系務會議修正通過  
Approved and amended on December 24, 2012, by the 5nd Department Meeting of the 1st Semester of the 101<sup>th</sup> Academic Year
- 民國 104 年 12 月 7 日 104 學年度第 1 學期第 1 次課程委員會修正通過  
Approved and amended on December 7, 2015, by the 1nd Department Curriculum Meeting of the 1st Semester of the 104<sup>th</sup> Academic Year
- 民國 105 年 5 月 11 日 104 學年度第 2 學期第 1 次院課程委員會通過  
Approved and amended on May 11, 2016, by the 1nd College Curriculum Meeting of the 2nd Semester of the 104<sup>th</sup> Academic Year
- 民國 105 年 5 月 26 日 104 學年度第 2 學期校課程會議備查  
Approved and Recorded on May 26, 2016, by the University Curriculum Meeting of the 2nd Semester of the 104<sup>th</sup> Academic Year
- 民國 109 年 4 月 27 日 108 學年度第 2 學期第 2 次課程委員會會議修正通過  
Approved and amended on April 27, 2020, by the 2nd Department Curriculum Meeting of the 2nd Semester of the 108<sup>th</sup> Academic Year
- 民國 109 年 5 月 12 日 108 學年度第 2 學期第 1 次院課程委員會通過  
Approved and amended on May 12, 2020 by the 1nd College Curriculum Meeting of the 2nd Semester of the 108<sup>th</sup> Academic Year
- 民國 109 年 5 月 28 日 108 學年度第 2 次校課程委員會會議通過  
Approved and amended on May 28, 2020 by the University Curriculum Meeting of the 2nd Semester of the 108<sup>th</sup> Academic Year
- 民國 113 年 5 月 13 日 112 年度第 2 學期第 3 次系務會議修正選修課通過  
Approved and amended on March 13, 2024, by the 3rd Department Meeting of the 2nd Semester of the 112<sup>th</sup> Academic Year
- 民國 113 年 11 月 18 日 113 年度第 1 學期第 1 次系課程會議修正選修正通過  
Approved and amended on November 18, 2024, by the 1nd Department Curriculum Meeting of the 1st Semester of the 113<sup>th</sup> Academic Year
- 民國 114 年 4 月 23 日 113 學年度第 2 學期第 1 次院課程委員會會議備查  
Approved and Recorded on April 23, 2025, by the 1nd College Curriculum Meeting of the 2nd Semester of the 113<sup>th</sup> Academic Year
- 民國 114 年 5 月 12 日 113 年度第 2 學期第 1 次系課程會議修正選修正通過  
Approved and amended on May 12, 2025, by the 1nd Department Curriculum Meeting of the 2nd Semester of the 113<sup>th</sup> Academic Year
- 民國 114 年 10 月 30 日 114 學年度第 1 學期第 1 次院課程委員會會議備查  
Approved and Recorded on October 30, 2025, by the 1nd College Curriculum Meeting of the 1st Semester of the 114<sup>th</sup> Academic Year
- 民國 114 年 11 月 10 日 114 年度第 1 學期第 1 次系課程會議修正選修正通過  
Approved and amended on November 10, 2025, by the 1nd Department Curriculum Meeting of the 1st Semester of the 114<sup>th</sup> Academic Year
- 民國 114 年 12 月 1 日 114 年度第 1 學期第 2 次系課程會議修正選修正通過  
Approved and amended on December 1, 2025, by the 2nd Department Curriculum Meeting of the 1st Semester of the 114<sup>th</sup> Academic Year
- 民國 115 年 5 月 5 日 114 學年度第 2 學期第 1 次院課程委員會會議備查  
Approved and Recorded on May 5, 2026, by the 1nd College Curriculum Meeting of the 2nd Semester of the 114<sup>th</sup> Academic Year
- 民國 115 年 5 月 28 日 114 學年度第 2 次校課程委員會會議修正通過

專業必修 72 學分 Required courses : 72 credits											
課程名稱 Course Name	必/選修 Type	學分數 Credits	一上 S1 Year 1	一下 S2 Year 1	二上 S1 Year 2	二下 S2 Year 2	三上 S1 Year 3	三下 S2 Year 3	四上 S1 Year 4	四下 S2 Year 4	備註 Note
經濟學 Economics	必 Required	3	√								
企業管理 Business Management	必 Required	3	√								
計算機概論 Introduction to Computer	必 Required	3	√								
程式設計 Program Design	必 Required	3	√								
微積分 Calculus	必 Required	3		√							
會計學 Accounting	必 Required	3		√							
物件導向程式設計I Object-Oriented Programming(I)	必 Required	3		√							
資訊管理導論 Introduction to Information Management	必 Required	3		√							
物件導向程式設計II Object-Oriented Programming(II)	必 Required	3			√						
統計學I Statistics(I)	必 Required	3			√						
電腦網路 Computer Network	必 Required	3			√						
行銷管理 Marketing Management	必 Required	3			√						
網頁程式設計 Web Pages Programming	必 Required	3				√					
資料庫管理 Database Management	必 Required	3				√					
電子商務 Electronic Commerce	必 Required	3				√					
統計學II	必	3				√					

### 專業必修 72 學分 Required courses : 72 credits

課程名稱 Course Name	必/選修 Type	學分數 Credits	一上 S1 Year 1	一下 S2 Year 1	二上 S1 Year 2	二下 S2 Year 2	三上 S1 Year 3	三下 S2 Year 3	四上 S1 Year 4	四下 S2 Year 4	備註 Note
Statistics(II)	Required										
管理資訊系統 Management Information Systems	必 Required	3					√				
資料結構 Data Structures	必 Required	3					√				
專案管理 Project Management	必 Required	3					√				
系統分析與設計 Systems Analysis and Design	必 Required	3					√				
專案開發I Project Development(I)	必 Required	3						√			
作業系統 Operating Systems	必 Required	3						√			
專案開發II Project Development(II)	必 Required	3							√		
資訊倫理與法律 Information Ethics and Law	必 Required	3							√		

### 專業選修 24 學分 Elective courses 24 credits

課程名稱 Course Name	必/選修 Type	學分數 Credits	一上 S1 Year 1	一下 S2 Year 1	二上 S1 Year 2	二下 S2 Year 2	三上 S1 Year 3	三下 S2 Year 3	四上 S1 Year 4	四下 S2 Year 4	備註 Note
網路規劃與管理實務 Network Planning and Management Study	選 Elective	2			√						
資訊趨勢與商業英語實務 Information Technology Trend and Practical Business English	選 Elective	3			√						
資料設計思考 Data and Design Thinking	選 Elective	3				√					
Python 程式設計 Python Programming	選 Elective	3				√					
顧客關係與服務管理 Customer Relationship and Service Management	選 Elective	3				√					

### 專業選修 24 學分 Elective courses 24 credits

課程名稱 Course Name	必/選修 Type	學分數 Credits	一上 S1 Year 1	一下 S2 Year 1	二上 S1 Year 2	二下 S2 Year 2	三上 S1 Year 3	三下 S2 Year 3	四上 S1 Year 4	四下 S2 Year 4	備註 Note
組織行為 Organizational Behavior	選 Elective	3				√					
社群經營與分析 Social Media Management and Analysis	選 Elective	3				√					
企業資源規劃與供應鏈管理 SCM and Enterprise Resource Planning	選 Elective	3				√					
創新思考與問題解決 Creative Thinking and Problem Solving	選 Elective	3					√				
資訊科技與服務創新 Information Technology & Service Innovation	選 Elective	3					√				
資料分析技術與應用 Data Analysis Techniques and Applications	選 Elective	3					√				
資訊與科技管理 Information and Technology Management	選 Elective	3					√				
永續商務研究 Sustainable Commerce Research	選 Elective	3					√				
智慧校園資訊技術應用專題 Smart Campus Information Technology Application Implementation Project	選 Elective	3					√				
數據分析與視覺化 Data Analytics and Visualization	選 Elective	3					√				
投資理財實務 Investment and Financial Management Practice	選 Elective	3					√				
專利分析與科技管理 Patent Information for Technology Management	選 Elective	2						√			
人力資源管理	選	3						√			

**專業選修 24 學分 Elective courses 24 credits**

課程名稱 Course Name	必/選修 Type	學分數 Credits	一上 S1 Year 1	一下 S2 Year 1	二上 S1 Year 2	二下 S2 Year 2	三上 S1 Year 3	三下 S2 Year 3	四上 S1 Year 4	四下 S2 Year 4	備註 Note
Human Resource Management	Elective										
行動商務 Mobile Commerce	選 Elective	3						√			
進階網路協定與軟體定義網路 Advanced Network Protocol and Software Defined Network	選 Elective	2						√			
管理數學 Managerial Mathematics	選 Elective	3						√			
數位行銷 Digital Marketing	選 Elective	3						√			
物聯網 Internet of Things	選 Elective	3						√			
無人載具設計與應用 Unmanned Vehicle Design and Application	選 Elective	3						√			
物聯網技術應用實作專題 Internet of Things Technology Application Implementation Project	選 Elective	3						√			
英文簡報實務 English Presentation Practice	選 Elective	3						√			
財經新聞解讀 Financial and Economic News Study	選 Elective	3						√			
資料工程與應用 Data engineering and Applications	選 Elective	3						√			
無人飛行載具設計 Unmanned Aerial Vehicle Design	選 Elective	3						√			
人工智慧創新實務應用 Innovative Practical Applications of Artificial Intelligence	選 Elective	3						√			
人工智慧與股票資料分析應用 Artificial intelligence and stock data analysis	選 Elective	3						√			
人工智慧系統與實務 I Artificial Intelligence System and Practice I	選 Elective	1						√			

### 專業選修 24 學分 Elective courses 24 credits

課程名稱 Course Name	必/選修 Type	學分數 Credits	一上 S1 Year 1	一下 S2 Year 1	二上 S1 Year 2	二下 S2 Year 2	三上 S1 Year 3	三下 S2 Year 3	四上 S1 Year 4	四下 S2 Year 4	備註 Note
開放資料系統與實務 I Open Data System and Practice I	選 Elective	1						√			
社群網路系統與實務 I Social Network System and Practice I	選 Elective	1						√			
資訊技術系統與實務 I Information Technology and Practice I	選 Elective	1						√			
企業實習 II Internship II	選 Elective	6						√			Classes are only offered during the summer vacation.
Java Script 前端應用程式設計 Java Script Application Design	選 Elective	3							√		
資訊檢索 Information Retrieval	選 Elective	3							√		
資訊科技與競爭策略 Information Technology and Corporate Strategy	選 Elective	3							√		
知識管理研究 Knowledge Management Research	選 Elective	3							√		
進階資料庫管理 Advanced Database Management	選 Elective	3							√		
機器學習 Machine Learning	選 Elective	3							√		
應用決策分析 Applied Decision Analysis	選 Elective	3							√		
人工智慧系統與實務 II Artificial Intelligence System and Practice(II)	選 Elective	1							√		
開放資料系統與實務 II Open Data System and Practice(II)	選 Elective	1							√		
社群網路系統與實務 II Social Network System and Practice(II)	選 Elective	1							√		

專業選修 24 學分 Elective courses 24 credits											
課程名稱 Course Name	必/選修 Type	學分數 Credits	一上 S1 Year 1	一下 S2 Year 1	二上 S1 Year 2	二下 S2 Year 2	三上 S1 Year 3	三下 S2 Year 3	四上 S1 Year 4	四下 S2 Year 4	備註 Note
資訊技術系統與實務 II Information Technology and Practice(II)	選 Elective	1							√		
企業實習 I Internship I	選 Elective	9								√	
企業實習 III Internship III	選 Elective	9								√	
資訊科技與商業模式 Information Technology and Business Models	選 Elective	6									√
資料探勘與知識挖掘 Data Mining and Knowledge Discovery	選 Elective	3									√
供應鏈管理 Supply Chain Management	選 Elective	3									√
人工智慧商務應用 Applications of Artificial Intelligence in Business	選 Elective	1									√
邏輯力：表達、推理與決策 Logical Thinking: Expression, Reasoning, and Decision-Making	選 Elective	3									√

- 最低畢業學分 128 學分，系（所）必修 72 學分，校定必修 11 學分（「中文」4 學分、「英語會話與閱讀」4 學分、「倫理與永續素養課程」3 學分、「體育（一）（二）（三）（四）」0 學分），通識選修 21 學分，選修 24 學分(①其中系選修（課號為 IM 開頭）課程至少修滿 15 學分，承認外系必、選修最多 9 學分；②或是 24 學分全部修習系選修課程)。

The minimum required credits for graduation are 128, with 72 credits from required courses in the major (department), 11 credits of required courses designated by NUK (Chinese Language 4 credits、English Conversation and Reading 4 credits、Ethics and Sustainability Literacy Curriculum Group 3 credits、Physical Education (一)(二)(三)(四)」 0 credits), 21 credits from general education electives, and 24 credits from other electives. ①Among the other elective courses, students must complete at least 15 credits within the IM Department (Course numbers starting with “IM”) and can take up to 9 credits of compulsory or elective courses from other departments. ② Alternatively, students can select to complete all 24 elective credits by taking courses within the IM Department.

- 『畢業年級相當於國內高級中等學校二年級之國外或香港、澳門同級同類學校畢業生，以同等學力資格入學者，最低畢業學分數為 140 學分。本類資格入學學生若修讀符合教育部所定大學辦理國外學歷採認辦法、大陸地區學歷採認辦法及香港澳門學歷檢覈及採認辦法規定之大學校院開設之大學先修課程、我國大學校院赴境外開設之推廣教育學分班之課程者，得於入學前提出抵免申請。』

For the Form 5 graduates : The student graduated from a senior secondary school in a foreign country, Hong Kong, or Macao, and their graduating year is academically equivalent to the second grade of a senior secondary school in Taiwan. Those admitted with equivalent qualifications must have a minimum of 140 credits upon graduation.

Students who take the courses that meet the requirements (Note 1) can apply for exemption before enrollment.

Note 1: Standards for Recognition of Equivalent Educational Levels for University Admission; Regulations Governing the Assessment and Recognition of Mainland Area Academic Records; Regulations Governing the Examination and Recognition of Educational Records from Hong Kong and Macao; Students who take courses organized by Taiwan's universities/ colleges Continuing Education Programs.

- 本校日間學制大學部畢業前應通過之基本能力檢核：

1. 英文能力畢業資格檢定（依本校「英文能力畢業資格檢定實施辦法」）。
2. 資訊能力畢業資格檢定（依本校「資訊基本能力畢業資格檢定實施辦法」）。

NUK fulltime undergraduate students are required to pass the basic competency tests for graduation:

1. English proficiency qualification examination (according to NUK's Implementation Regulations for Graduation Requirements on English Proficiency Assessment.)
2. Information literacy qualification examination (according to NUK's Implementation Regulations for the Basic Information Competence Assessment.)

- 依本校「專業應用型法律課程開設、學分採認及畢業條件辦法」規定，本系承認專業應用型法律課程為：「專業應用型法律課程-資訊倫理與法律（3 學分）」

According to NUK's graduation rules, the Department of Information Management recognizes the professional applied law course Information Ethics and Law (3 credits).

- 本學系最低畢業學分數內含專業應用型法律課程之學分。

The minimum number of credits required for graduation from Department of Information Management includes credits from professional applied law courses.