

## 國立高雄大學資訊管理學系碩士班專業必選修科目表

### 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 106 年 9 月 18 日 106 學年度第 1 學期第 1 次課程委員會修正通過  
Approved and amended on September, 2017, by the 5nd Department Meeting of the 1st Semester of the 106<sup>th</sup> Academic Year
- 民國 106 年 11 月 09 日 106 學年度第 1 學期第 1 次院課程委員會通過  
Approved and amended on November 9, 2017, by the 1nd College Curriculum Meeting of the 1st Semester of the 106<sup>th</sup> Academic Year
- 民國 106 年 11 月 30 日 106 學年度第 1 學期校課程會議備查  
Approved and Recorded on November 30, 2017, by the University Curriculum Meeting of the 1st Semester of the 106<sup>th</sup> Academic Year
- 民國 110 年 12 月 8 日 110 學年度第 1 學期教務會議備查  
Approved and Recorded on December 8, 2021, by the University Academic Affairs Meeting of the 1st Semester of the 110<sup>th</sup> Academic Year
- 民國 112 年 2 月 13 日 111 年度第 2 學期第 1 次系務會議修正選修課通過  
Approved and amended on February 13, 2023, by the 1nd Department Meeting of the 2nd Semester of the 111<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 10 月 29 日 113 學年度第 1 學期第 1 次院課程委員會備查  
Approved and Recorded on October 29, 2024, by the 1nd Department Curriculum Meeting of the 1st Semester of the 113<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課通過  
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課通過  
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 學年度第 1 學期第 1 次系課程會議修正選修課通過  
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

### 專業必修 15 學分 Required courses : 15 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	備註 Note
研究方法 (一) Research Methodology(I)	必 Required	3	√				
資訊管理 Information Management	必 Required	3	√				
書報討論 (一) Seminar for Information Management Issues(I)	必 Required	1	√				
研究方法 (二) Research Methodology(II)	必 Required	3		√			
資訊科技導論 Introduction to Information Technology	必 Required	3		√			
書報討論 (二) Seminar for Information Management Issues(II)	必 Required	1		√			
書報討論 (三) Seminar for Information Management Issues(II)	必 Required	1			√		

### 專業選修 15 學分 Elective courses 15 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	備註 Note
資訊管理專題研討 (一) Special Topics in Information Management(I)	選 Elective	1	√				
資訊科技與競爭策略 Information Technology and Corporate Strategy	選 Elective	3	√				
資訊趨勢與商業英語實務 Information Technology Trend and Practical Business English	選 Elective	3	√				
永續商務研究 Sustainable Commerce Research	選 Elective	3	√				
資訊科技與服務創新 Information Technology & Service Innovation	選 Elective	3	√				
資訊檢索 Information Retrieval	選 Elective	3	√				
資料分析技術與應用 Data Analysis Techniques and Applications	選 Elective	3	√				

### 專業選修 15 學分 Elective courses 15 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	備註 Note
數據與服務科學實務 Data and Service Science Practice	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	√				
專利分析與科技管理 Patent Information for Technology Management	選 Elective	2	√				
資訊與科技管理 Information and Technology Management	選 Elective	3	√				
數據分析與視覺化 Data Analytics and Visualization	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	√				
投資理財實務 Investment and financial management practice	選 Elective	3	√				
人工智慧專題 Topics in Artificial Intelligence	選 Elective	3	√				
應用決策分析 Applied Decision Analysis	選 Elective	3	√				
資訊管理專題研討(二) Special Topics in Information Management(II)	選 Elective	1		√			
知識管理研究 Knowledge Management Research	選 Elective	3		√			
供應鏈管理 Supply Chain Management	選 Elective	3		√			
數位行銷 Digital Marketing	選 Elective	3		√			
英文簡報實務 English Presentation Practice	選 Elective	3		√			
資訊化服務研究專題 Research Topics on Information Services	選 Elective	3		√			
資訊科技與商業模式 Information Technology and Business Models	選 Elective	3		√			

### 專業選修 15 學分 Elective courses 15 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	備註 Note
資料探勘與知識挖掘 Data Mining and Knowledge Discovery	選 Elective	3		√			
社群經營與分析 Social Media Management and Analysis	選 Elective	3		√			
物聯網 Internet of Things	選 Elective	3		√			
物聯網技術應用實作專題 Internet of Things Technology Application Implementation Project	選 Elective	3		√			
管理數學 Managerial Mathematics	選 Elective	3		√			
無人載具設計與應用 Unmanned Vehicle Design and Application	選 Elective	3		√			
資料工程與應用 Data engineering and Applications	選 Elective	3		√			
人工智慧創新實務應用 Innovative Practical Applications of Artificial Intelligence	選 Elective	3		√			
邏輯力：表達、推理與決策 Logical Thinking: Expression, Reasoning, and Decision-Making	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		√			
企業實習 II Internship II	選 Elective	6		√			Classes are only offered during the summer vacation.
資訊管理專題研討 (三) Special Topics in Information Management(III)	選 Elective	1			√		
企業實習 I Internship I	選 Elective	9				√	
企業實習 III Internship III	選 Elective	3				√	
資訊管理專題研討 (四) Special Topics in Information Management(IV)	選 Elective	1					√
書報討論 (四) Seminar for Information Management Issues(IV)	選 Elective	1					√

1. 共同先修課程(0學分)：
  - 資料庫管理、系統分析與設計、電腦網路(三選二)
  - 程式設計相關課程至少二門課
  - 企業管理、資訊管理導論(二選一)
  - 統計學II
2. 每學期修課須經指導教授書面同意。
3. 選修課程中，至少選修一門管理類與一門技術類之課程。

1. Prerequisite courses(0 credits)：
  - Database Management、Systems Analysis and Design、Computer Network (Select two out of three).
  - Take at least two courses related to Program Design.
  - Business Management、Introduction to Information Management (Choose one out of two).
  - Statistics(II).
2. Each semester, course enrollment must be approved and signed by the advisor.
3. In elective courses, students must select at least one course from the management category and one course from the technical category.