

國立勤益科技大學113學年度進修部碩士在職專班資訊管理系學分計畫表

National Chin-Yi University of Technology Continuing Education Division  
Curriculum for 2024 In-Service Master Program Department of Information Management

112.11.15系課程會議通過  
112.11.22系務會議通過  
112.11.23院課程會審議通過  
112.12.07.校課程委員會議及112.12.21.臨時教務會議審議通過

| 科目  | Courses                                       | 上學期First Semester |               |                  | 下學期Second Semester |               |                  |
|---|---|-------------------|---------------|------------------|--------------------|---------------|------------------|
|   |   | 學分<br>Credit      | 正課<br>Lecture | 實習<br>Internship | 學分<br>Credit       | 正課<br>Lecture | 實習<br>Internship |
| 共同必修科目(19學分)General Required Courses(19credits hours) |   |                   |               |                  |                    |               |                  |
| 第一學年First Year  |   |                   |               |                  |                    |               |                  |
| 科技管理  | Management of Technology                      | 3                 | 3             | 0                |                    |               |                  |
| 書報討論(一)   | Seminar (I)                                   | 1                 | 2             | 0                |                    |               |                  |
| 研究方法  | Research Method                               | 3                 | 3             | 0                |                    |               |                  |
| 資訊管理研究  | Information Management Research               |                   |               |                  | 3                  | 3             | 0                |
| 書報討論(二)   | Seminar (II)                                  |                   |               |                  | 1                  | 2             | 0                |
| 第二學年Second Year                                       |   |                   |               |                  |                    |               |                  |
| 論文  | Thesis  | 3                 | 3             | 0                |                    |               |                  |
| 專題研究(一)   | Research Seminar (I)                          | 1                 | 2             | 0                |                    |               |                  |
| 專題研究(二)   | Research Seminar (II)                         |                   |               |                  | 1                  | 2             | 0                |
| 論文  | Thesis  |                   |               |                  | 3                  | 3             | 0                |
| 科目  | Courses                                       | 上學期First Semester |               |                  | 下學期Second Semester |               |                  |
|   |   | 學分<br>Credit      | 正課<br>Lecture | 實習<br>Internship | 學分<br>Credit       | 正課<br>Lecture | 實習<br>Internship |
| 專業選修科目Department Electives Courses                    |   |                   |               |                  |                    |               |                  |
| 第一學年First Year  |   |                   |               |                  |                    |               |                  |
| 研發科技領域  |   |                   |               |                  |                    |               |                  |
| 專利與研發   | Patents and R&D                               | 3                 | 3             | 0                |                    |               |                  |
| 企業創新與管理   | Business Innovation and Management            | 3                 | 3             | 0                |                    |               |                  |
| 萃思創意思考與應用   | TRIZ-Innovative Thinking and Application      | 3                 | 3             | 0                |                    |               |                  |
| 產業技術地圖規劃  | Technology Roadmap- Theory and Practice       | 3                 | 3             | 0                |                    |               |                  |
| 智慧財產權特論   | Topics in Intelligence Property Right         | 3                 | 3             | 0                |                    |               |                  |
| 產業研發技術  | Industrial R&D Technology                     | 3                 | 3             | 0                |                    |               |                  |
| 產品設計原理  | Product Design Principle                      | 3                 | 3             | 0                |                    |               |                  |
| 創新及創業管理   | Innovation and Entrepreneurial Management     | 3                 | 3             | 0                |                    |               |                  |
| 服務創新與管理   | Service Innovation and Management             | 3                 | 3             | 0                |                    |               |                  |
| 創新管理個案研討  | Innovation Management Case Study              | 3                 | 3             | 0                |                    |               |                  |
| 創意思考  | Innovative Thinking                           | 3                 | 3             | 0                |                    |               |                  |
| 綠色能源應用與管理   | Green Energy Applications and Management      | 3                 | 3             | 0                |                    |               |                  |
| 新產品開發管理   | New Product Development and Management        | 3                 | 3             | 0                |                    |               |                  |
| 產品生命週期管理  | Product Lifecycle Management                  | 3                 | 3             | 0                |                    |               |                  |
| 資訊管理領域  |   |                   |               |                  |                    |               |                  |
| 企業電子化策略   | e-Business Strategy                           | 3                 | 3             | 0                |                    |               |                  |
| 專案管理  | Project Management                            | 3                 | 3             | 0                |                    |               |                  |
| 高科技品質管理   | High Technical Quality Management             | 3                 | 3             | 0                |                    |               |                  |
| 產業經營與策略管理   | Industrial Operations and Strategy Management | 3                 | 3             | 0                |                    |               |                  |
| 多變量分析   | Multivariate Analysis                         | 3                 | 3             | 0                |                    |               |                  |
| 企業資源規劃  | Enterprise Resource Planning                  | 3                 | 3             | 0                |                    |               |                  |
| 科技法律  | Technology Law                                | 3                 | 3             | 0                |                    |               |                  |
| 科技行銷管理  | Marketing of High-Technology                  | 3                 | 3             | 0                |                    |               |                  |
| 演算法   | Algorithms                                    | 3                 | 3             | 0                |                    |               |                  |
| 資訊安全  | Information Security                          | 3                 | 3             | 0                |                    |               |                  |
| 雲端運算  | Cloud Computing                               | 3                 | 3             | 0                |                    |               |                  |
| 物聯網應用與實務  | IoT Application Practice                      | 3                 | 3             | 0                |                    |               |                  |
| 資料探勘  | Data Mining                                   | 3                 | 3             | 0                |                    |               |                  |
| 巨量資料分析  | Big Data Analytics                            | 3                 | 3             | 0                |                    |               |                  |
| 資料層級分析  | Data Hierarchical Analysis                    | 3                 | 3             | 0                |                    |               |                  |
| 新產品開發管理   | New Product Development and Management        | 3                 | 3             | 0                |                    |               |                  |
| 資料視覺化與分析  | Data Visualization and Interpretation         | 3                 | 3             | 0                |                    |               |                  |
| 建築資訊模型建置概論  | Introduction to Building Information Modeling | 3                 | 3             | 0                |                    |               |                  |
| 第二學年Second Year                                       |   |                   |               |                  |                    |               |                  |
| 企業觀摩與研習   | Enterprise Observation and Study              | 3                 | 3             | 0                |                    |               |                  |

備註Note:

- 一、 畢業至少應修滿37學分【必修19學分（含論文6學分），選修至少18學分】  
For a Master' s degree, each student should complete at least 37 credits, including 19credits of required courses, 6 credits of thesis and 18 credits of elective courses.
- 二、 研究生必須通過碩士班論文口試，方准予畢業。  
Graduate students are only qualified for graduation after passing the thesis oral examination of the master' s program and will be awarded with the master' s degree according to law by the time of graduation.
- 三、 學生應於申請學位考試前至「教育部臺灣學術倫理教育資源中心」網路平臺完成學術研究倫理教育課程，至少6小時課程。  
Students need to complete the academic research ethics education course for at least 6 hours before the final defence application.
- 四、 每一領域選修課程，至少必須各選修一門。  
You are required to take at least one course in each category of elective courses.
- 五、 課程名稱前有標示「△」符號者，為「程式設計課程」。  
Courses with a “△” refers to an application design course.
- 六、 課程名稱前有標示「●」符號者，為「職能專業課程」。  
Courses with a “●” refer to a professional competence course.
- 七、 課程名稱前有標示「AI」符號者，為「人工智慧相關課程」。  
Courses with an “AI” refer to an artificial intelligence related course.