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

For students admitted after the 2023 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

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

民國101年12月3日101學年度第1學期第3次課程委員會議修正通過

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

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

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

民國105年5月11日104學年度第2學期第1次院程程委員會通過

民國105年5月26日104學年度第2學期校課程會議備查

民國109年4月27日108學年度第二學期第二次課程委員會會議修通過過

民國109年5月12日108學年度第二學期第一次院課程委員會通過

民國109年5月28日108學年度第二次校課程委員會會議通過

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

| **Required courses：15 credits** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | Type | Credits | S1 Year 1 | S2 Year 1 | S1 Year 2 | S2 Year 2 | Note |
| Research Methodology(I) | Required | 3 |  |  |  |  |  |
| Information Management | Required | 3 |  |  |  |  |  |
| Seminar for Information Management Issues(I) | Required | 1 |  |  |  |  |  |
| Research Methodology(II) | Required | 3 |  |  |  |  |  |
| Introduction to Information Technology | Required | 3 |  |  |  |  |  |
| Seminar for Information Management Issues(II) | Required | 1 |  |  |  |  |  |
| Seminar for Information Management Issues(II) | Required | 1 |  |  |  |  |  |

| **Elective courses 15 credits** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | Type | Credits | S1 Year 1 | S2 Year 1 | S1 Year 2 | S2 Year 2 | Note |
| Special Topics in Information Management(I) | Elective | 1 |  |  |  |  |  |
| Information Technology and Corporate Strategy | Elective | 3 |  |  |  |  |  |
| Information Technology Trend and Practical Business English | Elective | 3 |  |  |  |  |  |
| Sustainable Commerce Research | Elective | 3 |  |  |  |  |  |
| Investment and financial management practice | Elective | 3 |  |  |  |  |  |
| Information Technology & Service Innovation | Elective | 3 |  |  |  |  |  |
| Information Retrieval | Elective | 3 |  |  |  |  |  |
| Data Analysis Techniques and Applications | Elective | 3 |  |  |  |  |  |
| Data and Service Science Practice | Elective | 3 |  |  |  |  |  |
| Smart campus Information Technology Application Implementation Project | Elective | 3 |  |  |  |  |  |
| Patent Information for Technology Management | Elective | 2 |  |  |  |  |  |
| Information and Technology Management | Elective | 3 |  |  |  |  |  |
| Data Analytics and Visualization | Elective | 3 |  |  |  |  |  |
| Special Topics in Information Management(II) | Elective | 1 |  |  |  |  |  |
| Knowledge Management Research | Elective | 3 |  |  |  |  |  |
| Supply Chain Management | Elective | 3 |  |  |  |  |  |
| Digital Marketing | Elective | 3 |  |  |  |  |  |
| English Presentation Practice | Elective | 3 |  |  |  |  |  |
| Research Topics on Information Services | Elective | 3 |  |  |  |  |  |
| Information Technology and Business Models | Elective | 3 |  |  |  |  |  |
| Business Visits & Case Study | Elective | 4 |  |  |  |  |  |
| Data Mining and Knowledge Discovery | Elective | 3 |  |  |  |  |  |
| Social Media Management and Analysis | Elective | 3 |  |  |  |  |  |
| Internet of Things | Elective | 3 |  |  |  |  |  |
| Internet of Things Technology Application Implementation Project | Elective |  |  |  |  |  |  |
| Managerial Mathematics | Elective | 3 |  |  |  |  |  |
| Unmanned Vehicle Design and Application | Elective | 3 |  |  |  |  |  |
| Indoor Localization Tracking and Unmanned Vehicle Application | Elective | 3 |  |  |  |  |  |
| Internship Ⅱ | Elective | 6 |  |  |  |  | Classes are only offered during the summer vacation. |
| Special Topics in Information Management(III) | Elective | 1 |  |  |  |  |  |
| Internship I | Elective | 9 |  |  |  | |  |
| Internship Ⅲ | Elective | 3 |  |  |  | |  |
| Special Topics in Information Management(IV) | Elective | 1 |  |  |  |  |  |
| Seminar for Information Management Issues(IV) | Elective | 1 |  |  |  |  |  |

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.