



## 教學計劃表 Syllabus

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|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----|------------------------------------|------------------------------------------------------------------------------------------|
| 課程名稱(中文)<br>Course Name in Chinese                                                                                            | 高等資訊管理專題                                                                                                                                               |                             |    | 學年/學期<br>Academic Year/Semester    | 114/1                                                                                    |
| 課程名稱(英文)<br>Course Name in English                                                                                            | Topics on Advanced Information Management                                                                                                              |                             |    |                                    |                                                                                          |
| 科目代碼<br>Course Code                                                                                                           | IM__50100                                                                                                                                              | 系級<br>Department & Year     | 碩士 | 開課單位<br>Course-Offering Department | 資訊管理學系                                                                                   |
| 修別<br>Type                                                                                                                    | 必修 Required                                                                                                                                            | 學分數/時間<br>Credit(s)/Hour(s) |    | 3.0/3.0                            |                                                                                          |
| 授課教師<br>Instructor                                                                                                            | /邱素文                                                                                                                                                   |                             |    |                                    |                                                                                          |
| 先修課程<br>Prerequisite                                                                                                          |                                                                                                                                                        |                             |    |                                    |                                                                                          |
| 課程描述 Course Description                                                                                                       |                                                                                                                                                        |                             |    |                                    |                                                                                          |
| Focus on AI-based machine Learning and Big Data decision making science, and AI-based EC.                                     |                                                                                                                                                        |                             |    |                                    |                                                                                          |
| 課程目標 Course Objectives                                                                                                        |                                                                                                                                                        |                             |    |                                    |                                                                                          |
| 在現代企業中，如何建構具有系統觀念的完整資訊應用已成為一個重要的課題。管理為其核心應用，資訊為其中流動的要素，然而具備見林又見樹的系統觀才不致於頭痛醫頭、腳痛醫腳。本課程將闡述資訊管理的重要基礎意涵以及設計概念，使學生能對資訊管理具備具有完整之概念。 |                                                                                                                                                        |                             |    |                                    |                                                                                          |
| 系專業能力<br>Basic Learning Outcomes                                                                                              |                                                                                                                                                        |                             |    |                                    | 課程目標與系專業能力相關性<br>Correlation between Course Objectives and Dept.' s Education Objectives |
| A                                                                                                                             | 培育具備創造與思考能力、服務精神、團隊合作以及國際觀Nurture ability regarding creativity and thinking, spirit of service, teamwork and international view                        |                             |    |                                    | ○                                                                                        |
| B                                                                                                                             | 培養具備資訊專業知識與技能Nurture professional ability and skill regarding information                                                                              |                             |    |                                    | ○                                                                                        |
| C                                                                                                                             | 培養具備資訊科技與管理領域之知識整合應用能力Nurture integrated ability regarding information technology and management                                                       |                             |    |                                    | ○                                                                                        |
| D                                                                                                                             | 培養具備解決問題之資訊剖析、組織、整合、應用以及表達的能力Nurture ability of information analysis, organization, integration, application, and expression regarding problem solving |                             |    |                                    | ○                                                                                        |
| E                                                                                                                             | 培養具備獨立研究、領導智能與資訊創新能力Nurture ability regarding independent research, leadership and information innovation                                              |                             |    |                                    | ○                                                                                        |
| 圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated                                                        |                                                                                                                                                        |                             |    |                                    |                                                                                          |
| 授課進度表 Teaching Schedule & Content                                                                                             |                                                                                                                                                        |                             |    |                                    |                                                                                          |
| 週次Week                                                                                                                        | 內容 Subject/Topics                                                                                                                                      |                             |    |                                    | 備註Remarks                                                                                |
| 1                                                                                                                             | Introduction of TAIM and new faces                                                                                                                     |                             |    |                                    |                                                                                          |
| 2                                                                                                                             | Topics of AI-based big data decision support system (AI-BDSS)                                                                                          |                             |    |                                    |                                                                                          |
| 3                                                                                                                             | Topics of AI-BDSS and announcement of 1st oral report with assigned reading paper                                                                      |                             |    |                                    |                                                                                          |
| 4                                                                                                                             | Topics of AI-BDSS: cont'd                                                                                                                              |                             |    |                                    |                                                                                          |
| 5                                                                                                                             | 10/10: national holiday and no class                                                                                                                   |                             |    |                                    |                                                                                          |

|    |                                                          |          |
|----|----------------------------------------------------------|----------|
| 6  | AI-BDSS and applications                                 |          |
| 7  | 10/24: national holiday and no class                     |          |
| 8  | 10/31: 1st time oral report with assigned paper          | REQUIRED |
| 9  | Midterm week and no class                                |          |
| 10 | 11/14: Midterm exam in open book                         | REQUIRED |
| 11 | 11/21: 1st time oral report with assigned paper (cont'd) | REQUIRED |
| 12 | Topics on AI-based EC                                    |          |
| 13 | AI-based EC and applications                             |          |
| 14 | 12/12: oral report-2 with free topic                     | REQUIRED |
| 15 | 12/19: oral report -2 (cont'd)                           | REQUIRED |
| 16 | 12/26 Final report DUE                                   | REQUIRED |
| 17 | Flexible study                                           |          |
| 18 | Final week and no class                                  |          |

### 教學策略 Teaching Strategies

- ☒ 課堂講授 Lecture
 ☒ 分組討論 Group Discussion
 ☐ 參觀實習 Field Trip  
☐ 其他 Miscellaneous:

### 教學創新自評 Teaching Self-Evaluation

#### 創新教學(Innovative Teaching)

- ☒ 問題導向學習(PBL)
 ☒ 團體合作學習(TBL)
 ☒ 解決導向學習(SBL)  
☐ 翻轉教室 Flipped Classroom
 ☐ 磨課師 Moocs

#### 社會責任(Social Responsibility)

- ☒ 在地實踐 Community Practice
 ☐ 產學合作 Industry-Academia Cooperation

#### 跨域合作(Transdisciplinary Projects)

- ☐ 跨界教學 Transdisciplinary Teaching
 ☐ 跨院系教學 Inter-collegiate Teaching

- ☐ 業師合授 Courses Co-taught with Industry Practitioners

其它 other:

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| 學期成績計算及多元評量方式 Grading & Assessments                                                                                                                                                                                                             |                    |                    |          |          |          |          |          |          |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|----------|----------|----------|----------|----------|----------|----|
| 配分項目<br>Items                                                                                                                                                                                                                                   | 配分比例<br>Percentage | 多元評量方式 Assessments |          |          |          |          |          |          |    |
|                                                                                                                                                                                                                                                 |                    | 測驗<br>會考           | 實作<br>觀察 | 口頭<br>發表 | 專題<br>研究 | 創作<br>展演 | 卷宗<br>評量 | 證照<br>檢定 | 其他 |
| 平時成績(含出缺席)<br>General Performance<br>(Attendance Record)                                                                                                                                                                                        | 10%                |                    | ✓        | ✓        |          |          |          |          |    |
| 期中考成績 Midterm Exam                                                                                                                                                                                                                              | 30%                | ✓                  |          | ✓        |          |          |          |          |    |
| 期末考成績 Final Exam                                                                                                                                                                                                                                | 30%                | ✓                  |          | ✓        | ✓        |          |          |          |    |
| 作業成績 Homework and/or<br>Assignments                                                                                                                                                                                                             | 30%                |                    | ✓        | ✓        |          |          |          |          |    |
| 其他 Miscellaneous<br>(_____)                                                                                                                                                                                                                     |                    |                    |          |          |          |          |          |          |    |
| 評量方式補充說明<br>Grading & Assessments Supplemental instructions<br>11/14: exam; 10/31, 11/21, 12/12, 19: ORAL REPORTS; 12/26: Final report                                                                                                          |                    |                    |          |          |          |          |          |          |    |
| 教科書與參考書目 (書名、作者、書局、代理商、說明)<br>Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)<br>SCI / SSCI paper readings + lecture notes                                                                                        |                    |                    |          |          |          |          |          |          |    |
| 課程教材網址(含線上教學資訊, 教師個人網址請列位於本校內之網址)<br>Teaching Aids & Teacher's Website(Including online teaching information.<br>Personal website can be listed here.)<br>see <a href="http://elearn4.ndhu.edu.tw/moodle">http://elearn4.ndhu.edu.tw/moodle</a> |                    |                    |          |          |          |          |          |          |    |
| 其他補充說明 (Supplemental instructions)                                                                                                                                                                                                              |                    |                    |          |          |          |          |          |          |    |