


國立東華大學
教學計劃表 Syllabus

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|--|-------------|-----------------------------|---------------------------------|------------------------------------|--------|
| 課程名稱(中文) Course Name in Chinese | 資料探勘 | | 學年/學期 Academic Year/Semester | 107/1 | |
| 課程名稱(英文) Course Name in English | Data Mining | | | | |
| 科目代碼 Course Code | CSIEM0240 | 系級 Department & Year | 碩士 | 開課單位 Course-Offering Department | 資訊工程學系 |
| 修別 Type | 選修 Elective | 學分數/時間 Credit(s)/Hour(s) | 3.0/3.0 | | |
| 授課教師 Instructor | /李官陵 | | | | |
| 先修課程 Prerequisite | | | | | |
| 課程描述 Course Description | | | | | |
| 學習資料探勘相關之基礎知識以及未來之發展與應用，以上課講授為主，考試以及課堂討論為輔 | | | | | |
| 課程目標 Course Objectives | | | | | |
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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 | |
| 2 | Data preprocessing (I) | |
| 3 | 中秋節 | 放假一天 |
| 4 | Data preprocessing (II) | |
| 5 | Association rule mining (I) | |
| 6 | Association rule mining (II) | |
| 7 | paper discussion | |
| 8 | paper discussion | |
| 9 | 期中考試週 Midterm Exam | |
| 10 | Classification (I) | |
| 11 | Classification (II) | |
| 12 | Clustering (I) | |
| 13 | Clustering (II) | |
| 14 | Data mining trend | |
| 15 | paper discussion (I) | |

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|----|-----------------------|------|
| 16 | paper discussion (II) | |
| 17 | 開國紀念日彈性放假 | 放假一天 |
| 18 | 期末考試週 Final Exam | |

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:

學期成績計算及多元評量方式 Grading & Assessments

| 配分項目 Items | 配分比例 Percentage | 多元評量方式 Assessments | | | | | | | |
|-------------------------------------|--------------------|--------------------|----------|----------|----------|----------|----------|----------|----|
| | | 測驗 會考 | 實作 觀察 | 口頭 發表 | 專題 研究 | 創作 展演 | 卷宗 評量 | 證照 檢定 | 其他 |
| 平時成績 General Performance | 10% | | ✓ | | | | | | |
| 期中考成績 Midterm Exam | 25% | ✓ | | | | | | | |
| 期末考成績 Final Exam | 25% | ✓ | | | | | | | |
| 作業成績 Homework and/or Assignments | | | | | | | | | |
| 其他 Miscellaneous (_____) | 40% | | | ✓ | | | ✓ | | |

評量方式補充說明

Grading & Assessments Supplemental instructions

教科書與參考書目 (書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

“Data mining: concepts and techniques”, third edition, Jiawei Han and Micheline Kamber, Morgan Kaufmann publishers.

課程教材網址 (教師個人網址請列在本校內之網址)

Teaching Aids & Teacher's Website (Personal website can be listed here.)

e學院

其他補充說明 (Supplemental instructions)