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## ②國玄東華大學

## 教學計劃表 Syllabus

Cour		5稱(平文) ne in Chinese	資料探勘		學年/學期 Academic Year/Seme	ester	113/1		
Cour		5稱(英文) ne in English	Data Mining						
		目代碼 se Code	系級 開課單4 AIIA50040 Department 碩士 Course-Offe & Year Departme				資訊工程學系		
	修別 Type 選修 Elective P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									
"Data Mining" is an applied tool discipline that is widely used in various fields of professional practical work, computer data processing, and scientific training. Therefore, in addition to introducing the basic concepts, characteristics, and related theorems of data mining, this course will also focus on the practical examples of applying the theoretical methods of data mining in various fields."									
課程目標與系專業能力和關性 系專業能力 Correlation between Course Objectives Basic Learning Outcomes and Dept.'s Education Objectives									
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A B	scienc 設計技	e and information	bility to integr engineering.	ate knowledge and		logies of computer experiments and to		and Dept.'s Education	
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6	Association rule mining and Interestingness Measure (I)						
7	Association rule mining and Interestingness Measure (II)						
8	Classification (I)						
9	期中考試週 Midterm Exam						
10	Classification(II)						
11	Classification(III)						
12	Classification(IV)						
13	Clustering (I)						
14	Clustering(II)						
15	Clustering(III)						
16	期末考試週 Final Exam						
17	Project report (submit slides + video)						
18	consultation						
	教學策略 Teaching Strategies						
✓ 課堂講	授 Lecture						
其他Mis	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 ■ 産學合作 Industy-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	配分比例 多元評量方式 Assessments								
Items	Percentage	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	5%		~						
期中考成績 Midterm Exam	35%	<b>~</b>							
期末考成績 Final Exam	35%	<b>~</b>							
作業成績 Homework and/or Assignments	25%			~			<b>~</b>		
其他 Miscellaneous									

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.

"Data Mining: Practical Machine Learning Tools and Techniques", 4/e, Ian H. Witten, Eibe Frank, Mark A. Hall, Christopher J. Pal, Morgan Kaufmann.

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)

Teaching Aids & Teacher's Website(Including online teaching information.

Personal website can be listed here.)

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其他補充說明	(Supplemental	instructions)
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