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## ②國玄東華大學

## 教學計劃表 Syllabus

	程名稱(甲文) e Name in Chinese	資料探勘		學年/學期 Academic Year/Seme	ester 114/1					
	是程名稱(英文) Name in English	Data Mining								
(	科目代碼 Course Code	A11A50040	資訊工程學系							
	修別 Type	選修 Elective								
	授課教師 Instructor /李官陵									
P	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 力相關性 系專業能力 Correlation betwee Course Objective and Dept.'s Education										
					_					
	合資工知識技術之能力Aience and information	Basic Lear		nologies of computer	and Dept.'s Education					
A SC B 設	ience and information	Basic Lear	ning Outcomes		and Dept.'s Education					
A SC 設 va	ience and information 計技術理論驗證實驗之能 lidate hypotheses.	Basic Lear Ability to integr n engineering. 能力Ability to de	ning Outcomes rate knowledge and tech	ce experiments and to	and Dept.'s Education					
A sc B 設 va C 資 ha	ience and information 計技術理論驗證實驗之 ilidate hypotheses. 訊軟硬體設計開發之能 indware.	Basic Lear Ability to integr n engineering. 能力Ability to desi	ning Outcomes Tate knowledge and technology and conduct scien	ce experiments and to	and Dept.'s Education					
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6	Association rule mining and Interestingness Measure (II)					
7	Classification (I)					
8	期中考					
9	Classification(II)					
10	Classification(III)					
11	Classification(IV)					
12	Clustering (I)					
13	Clustering(II)					
14	Clustering(III)					
15	期末考					
16	行憲紀念日					
17	元旦					
18	consultation					
	教學策略 Teaching Strategies					
✓ 課堂講	授 Lecture	Field Trip				
其他Mis	scellaneous:					
	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	と習(SBL)				
■ 翻轉教室 Flipped Classroom						
社會責任(Social Responsibility)						
在地實	踐Community Practice	on				
跨域合作(	Transdisciplinary Projects)					
<b>一</b> 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 othe	r:					

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(含出缺席) General Performance (Attendance Record)	5%		<b>~</b>						
期中考成績 Midterm Exam	42%	~							
期末考成績 Final Exam	43%	~							
作業成績 Homework and/or Assignments	10%						<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)

 $\label{thm:condition} \mbox{Teaching Aids \& Teacher's Website} (\mbox{Including online teaching information.}$ 

Personal website can be listed here.)

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其他補充說明(Supplemental instructions)