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## ②图玄束華大學

## Course Outline 課

	資訊工程學系人	工智慧與創新	<b>f應用碩士班</b>		
中文課程名稱 Course Name in Chinese	大數據分析				
英文課程名稱 Course Name in English	Big Data Analytics				
科目代碼 Course Code	A11A50060	班 別 Degree		碩士班 Master's	
修別 Type	選修 Elective	學分數 Credit(s)	3. 0	時 數 Hour(s)	3.0
先修課程 Prerequisite					
		課程目標 e Objectives			
adopting big data can add value, wha properly plan to de	goal to provide a firm techniques. We provide t types of problems are etermine the need, aligous c plan for integration.	de an overvie e suited to a gn the right	w of what big big data ap	g data is and proach, and h	d why it now to

系教育目標

	Dept.'s Education Objectives				
1	探究學科知識,善用專業技能 Explore academic knowledge, utilize professional skills.				
2	2 割練評析思考,創新解決問題 Exercise analytical thinking, enhance creative problem solving skills.				
3	3學習團隊分工,強化溝通表達 Participate in teamwork, strengthen communication skills.				
	系專業能力 Basic Learning Outcomes	課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education Objectives			
A	統合資工知識技術之能力 Ability to integrate knowledge and technologies of computer science and information engineering.	•			
В	設計技術理論驗證實驗之能力 Ability to design and conduct science experiments and to validate hypotheses.	•			
С	資訊軟硬體設計開發之能力 Ability to design and develop computer software and hardware.	•			

D 图除專案開發之能力 Ability to design and develop team projects.					
批判性思考與創新研發之能力 E Ability of analytical thinking, creative research planning, and innovative development.   ■ The property of					
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated					
課程大綱					
Course Outline					
1. Introduction 2. Business Problems and Big Data Analytics 3. Integrating Big Data Analytics 4. Big Data Management 5. Big Data Analytics Tools and Techniques 6. Developing Big Data Applications 7. High Performance for Big Data Analytics 8. Practical Issues in Big Data Analytics 9. Conclusion					
資源需求評估(師資專長之聘任、儀器設備的配合・・・等) Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.) pair with computer lab practice					
課程要求和教學方式之建議					
Course Requirements and Suggested Teaching Methods					
Quiz, Midterm Exam, Internship Project, Final Exam					
其他					
Miscellaneous					