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②國玄東華大學

Course Outline 課

	資訊	工程學系國際組	1			
中文課程名稱 Course Name in Chinese	大數據分析	大數據分析				
英文課程名稱 Course Name in English	Big Data Analytics	Big Data Analytics				
科目代碼 Course Code	CSIEM0350	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)		
先修課程 Prerequisite			,			
	Cou	課程目標 urse Objectives				
adopting big dat can add value, w properly plan to	a goal to provide a firmal a techniques. We provide that types of problems and determine the need, and agic plan for integration.	de an overview o are suited to a lign the right p	f what big d big data app eople in the	ata is and w roach, and h	hy it now to	
	,善用專業技能 emic knowledge, utilize					
Exercise ana	,創新解決問題 lytical thinking, enhan	nce creative prob	olem solving	skills.		
	,強化溝通表達 in teamwork, strengthen	communication s	skills.			
系專業能力 Basic Learning Outcomes			力相關性 Correlat between Objectiv Dept.'s	課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education		
	技術之能力 ntegrate knowledge and information engineering	_	computer	Objectiv	es •	

設計技術理論驗證實驗之能力

資訊軟硬體設計開發之能力

validate hypotheses.

Ability to design and conduct science experiments and to

Ability to design and develop computer software and hardware.

D	團隊專案開發之能力 👚 👚				
ען	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.				
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					
9.0	9. Conclusion				

Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.) 視教學狀況,得安排4-8週於電腦教室,進行上機實習。

課程要求和教學方式之建議

資源需求評估 (師資專長之聘任、儀器設備的配合···等)

Course Requirements and Suggested Teaching Methods

平時測驗、期中考試、實習專題作業、期末考試

其他

Miscellaneous