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②國玄東華大學

課 網 Course Outline

電機工程學系碩士班一般組

中文課程名稱 Course Name in Chinese	無線網路						
英文課程名稱 Course Name in English	Wireless Networks						
科目代碼 Course Code	EE52900	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							
Course Objectives 1. 讓同學瞭解無線網路運作原理 2. 讓同學瞭解無線網路服務建構技術 3. 培養無線網路相關領域之人才							
系教育目標 Dept.'s Education Objectives							
高階人才培育—厚實學生專業知能,培育高階科技人才。 To cultivate talents with advanced professional knowledg							
B 廖分工領導—落實分工合作觀念,具備領導協調能力。 To train students with teamwork leading ability							
3 創新思維啟發—訓練專業實用技術,展現創新研發能力。 To inspire students with creative thinkin							
4 國際視野養成—營造國際宏觀視野,培育全球市場人才。 To educate students with global perspectiv							
系專業能力 Basic Learning Outcomes			力相關性 Correlat between (Objective Dept.'s	課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education Objectives			
A To cultivate th	子資訊工程等專業技術研發 e research and develop ctronics and informati	ing ability	of ng。		•		
培育系統分析、模擬驗證、實作實現之能力。 B To cultivate the advanced ability of analysis, verification and implementation of systems。 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □				0			

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C	訓練軟體工具使用與硬體實務驗證相互輔助之能力 To train the auxiliary ability between the utilization of					
	software tool and the verification of the hardware practice •					
D	訓練電機電子資訊專業知識與工程實務相互結合運用之能力。 To train the integrate ability between professional EECS knowledge and engineering practice	•				
Е	落實論文研究之群體討論與團隊合作之互助能力。 To fulfill the research ability in thesis by group discussion and teamwork cooperation	0				
F	落實發掘問題、邏輯分析、克服瓶頸與持續學習之能力。 To fulfill the ability of question finding, logical analyzing, bottleneck overcoming and continuous learning	•				
G	了解學術倫理與智慧財產觀念,掌握國內外產業更迭需求與具備多元專長之能力。 To obtain the ability of multi-specialization and to meet the industry demand as well as to have the ability of academic ethics and concept of intellectual property					
Н	了解國內外市場變化,具備科技英文閱讀溝通與科技論文寫作之能力。 To understand the change of global market and to have the ability of reading, conversation and technical writing in English。	0				
圖力	圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated					
課程大綱 Course Outline						
2. 3. 4. 5. 6.						
	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.)					
3.	2. Notebook *33. Wireless NIC*34. OPNET					
	課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods					
2. 其實之	1. 理論教授、文獻研讀及實務演練並行(1.5/1/0.5 Hour/Week) 2. 期中考 實務模擬與測試 文獻研讀與分析 期末報告					
	其他 Miscellaneous					