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## ②國玄東華大學

## 課 綱 Course Outline

## 電機工程學系博士班國際組

中文課程名稱 Course Name in Chinese		高等網路					
英文課程名稱 Course Name in English		Advanced topics in networking					
科目代碼 Course Code		EED0240	班 別 Degree	博士班 Ph. D.			
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							
This course provides a venue for the introduction and discussion of the state-of - the -art research							
topics as well as techniques in the areas of networking.							
系教育目標 Dept.'s Education Objectives							
1	研究人才培育—訓練嚴謹思考能力,培育國家研究人才。 To cultivate talents with research knowledge						
2	围 K 八 T 炻道						
3	創新用維的為→建立接極地獸能府,展用獨力研究能力。						
4	國際視野養成—— 為法國際安期視野,拉育貞裁領導人士。						
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 Objectives		
A	培育具備電機電子資訊工程等專業技術研發之能力。 To cultivate the research and developing ability of electrical, electronics and information engineering。  ■			•			
В	培育系統分析、模擬驗證、實作實現之能力。 To cultivate the advanced ability of analysis, verification and implementation of systems。				0		

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。	0				
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	落實高科技研究之分工整合與團體合作之領導能力。 To fulfill the leading ability in high-tech research with integration 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。	0				
Н	參與國際研討會了解國際市場變化與未來研究走向,具備純熟科技英文 閱讀溝通寫作之能力。 To participate the conferences to understand the change of global market and the future trend as well as to have the skillful ability of reading, conversation and technical writing in English。	0				
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated						
課程大綱 Course Outline						
This course will comprehensively survey and discuss emerging research topics in the area of networking, such as cloud computing, mobile computing, cross-layer optimization, cognitive and cooperative communication, QoS issues in next generation of internet, Intelligent networking, green networking and smart grid						
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.)						
課程要求和教學方式之建議						
Course Requirements and Suggested Teaching Methods						
Lectures and discussions; project executio						
其他 Miscellaneous						