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②国玄東華大學

課 網 Course Outline

電機工程學系博士班一般組

中文課程名稱 Course Name in Chinese		影像視訊編碼					
英文課程名稱 Course Name in English		Image and Video Coding					
科目代碼 Course Code		EE71260	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	
1	多課程 requisite						
		Cours	課程目標 se Objectives				
讓學生在修習此一課程後,能對影像視訊編碼有深入的了解,以利研究工作 的進行。							
系教育目標 Dept.'s Education Objectives							
1	研究人才拉育—訓練器諾田老能力,拉育國家研究人才。						
2	團隊分工領導—落實分工合作觀念,具備領導協調能力。 To train students with teamwork leading and coordinate ability						
3		一建立積極挑戰態度,展現獨力研究能力。 Students with creative thinking					
4		造國際宏觀視野,培育 nts with global persp					
系專業能力 Basic Learning Outcomes					力相關性 Correlati 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	培育具備電機電子資訊工程等專業技術研發之能力。 A To cultivate the research and developing ability of electrical, electronics and information engineering。 ■ To cultivate the research and developing ability of electrical electronics and information engineering electronics.					•	
В		擬驗證、實作實現之能 advanced ability of f systems。		rification an	ad	•	
С	To train the aux	與硬體實務驗證相互輔 iliary ability betwee d the verification o	en the utiliz			•	

ь	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。				
D	To train the integrate ability between professional EECS				
	knowledge and engineering practice •				
-	落實高科技研究之分工整合與團體合作之領導能力。				
E	To fulfill the leading ability in high-tech research with	O			
	integration and teamwork cooperation。				
_	落實發掘問題、邏輯分析、克服瓶頸與持續學習之能力。				
F	To fulfill the ability of question finding, logical analyzing,				
	bottleneck overcoming and continuous learning ·				
	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				
C	長之能力。				
G	To obtain the ability of multi-specialization and to meet the	O			
	industry demand as well as to have the ability of academic ethics and concept of intellectual property.				
	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。				
	図資料通為作之能力。 To participate the conferences to understand the change of				
H	global market and the future trend as well as to have the	\circ			
	skillful ability of reading, conversation and technical writing				
	in English °				
圖元	下說明Illustration :● 高度相關 Highly correlated ○中度相關 Moder	ately correlated			
	型 14 H M				
	課程大綱 Course Outline				
Par	Course Outline				
Par	Course Outline t I:Access and trunk network technologies				
Par	Course Outline				
Par	Course Outline t I:Access and trunk network technologies Fundamental of digital transmission systems				
Par	Course Outline t I:Access and trunk network technologies Fundamental of digital transmission systems xDSL				
Par	Course Outline t I:Access and trunk network technologies Fundamental of digital transmission systems xDSL Cable modem SONET/SDH DWDM, SDH/DWDM, and IP/DWDMPart				
Par	Course Outline t I:Access and trunk network technologies Fundamental of digital transmission systems xDSL Cable modem SONET/SDH DWDM, SDH/DWDM, and IP/DWDMPart II:Multimedia communications over access network				
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Par	Course Outline t I:Access and trunk network technologies Fundamental of digital transmission systems xDSL Cable modem SONET/SDH DWDM, SDH/DWDM, and IP/DWDMPart II:Multimedia communications over access network PacketCable and OpenCable for cable networks Visual communication over xDSL network				
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	Course Outline t I:Access and trunk network technologies Fundamental of digital transmission systems xDSL Cable modem SONET/SDH DWDM, SDH/DWDM, and IP/DWDMPart II:Multimedia communications over access network PacketCable and OpenCable for cable networks Visual communication over xDSL network Statistical multiplexing of multiple video programs	quipment, etc.)			
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