Please consult Intellectual Property Rights before making a photocopy. Please use the textbook of copyrighted edition.

②國玄東華大學

課 網 Course Outline

電機工程學系博士班國際組

中文課程名稱 Course Name in Chinese		信號偵測與評估						
英文課程名稱 Course Name in English		Signal Detrection and Estimation						
科目代碼 Course Code		EED0230	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								
簡介偵測與評估之基本理論及其在通訊系統之應用 2 数								
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	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	創新思維啟發—建立積極挑戰態度,展現獨力研究能力。 To inspire students with creative thinking							
4	國際視野養成一營造國際宏觀視野,培育卓越領導人才。 To educate students with global perspective and vision							
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	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		擬驗證、實作實現之能力 advanced ability of a f systems。		rification and	0			
С	To train the aux	與硬體實務驗證相互輔助 iliary ability between d the verification of	n the utiliza		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					
2. 3. 4. 5. 6.	Introduction Elements of Hypothesis Testing Signal Detection in Discrete Time Elements of Parameter Estimation Elements of Signal Estimation Signal Detection in Continuous Time Signal Estimation in Cotinuous Time					
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.)						
以	以具有所開課程專長之教師擔任授課;資料整理所需之電腦、影印機;討論所需之投影					

以具有所開課程專長之教師擔任授課;資料整理所需之電腦、影印機;討論所需之投影機、幻燈機等教學設備。

課程要求和教學方式之建議

Course Requirements and Suggested Teaching Methods

以指定教材按預訂進度進行教學。

教學以講授及討論為主,必要時以相關文獻資料加以補充。

其他

Miscellaneous