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## ②國玄東華大學

## 課 網 Course Outline

## 電機工程學系碩士班國際組

中文課程名稱 Course Name in Chinese		非線性控制系統					
英文課程名稱 Course Name in English		Nonlinear Systems Control					
科目代碼 Course Code		EEM0120	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							
簡介偵測與評估之基本理論及其在通訊系統之應用 2 私							
系教育目標 Dept.'s Education Objectives							
1	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						
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 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	國際視野養成一營造國際宏觀視野,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 Correlati between ( Objective Dept.'s	Correlation between Course Objectives and Dept.'s Education	
A	Ubjectives  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。  □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□					<b>e</b> s	
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。						
С	訓練軟體工具使用與硬體實務驗證相互輔助之能力 C 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	0				
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.	<ol> <li>Introduction</li> <li>Elements of Hypothesis Testing</li> <li>Signal Detection in Discrete Time</li> <li>Elements of Parameter Estimation</li> <li>Elements of Signal Estimation</li> <li>Signal Detection in Continuous Time</li> <li>Signal Estimation in Cotinuous Time</li> </ol>					
	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						
其他 Miscellaneous						