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## ②国玄東華大學

## 課 網 Course Outline 電機工程學系學士班半導體工程組

中文課程名稱 Course Name in Chinese		光電半導體製程					
英文課程名稱 Course Name in English		Fabrication Processes of Optoelectronic Semiconductor Devices					
科目代碼 Course Code		EE33680	班 別 Degree	學士班 Bachelor's			
修別 Type		學程 Program	學分數 Credit(s)	3. 0	時 數 Hour(s)	3. 0	
先修課程 Prerequisite					1		
			課程目標				
Course Objectives  添温火電火道蛐三州之三州州四及制印入初,体及细路上前至火電火道蛐制印历四,并且供火電火							
透過光電半導體元件之元件物理及製程介紹,使修課學生熟悉光電半導體製程原理,並具備光電半導體製程與技術之相關知識,瞭解光電半導體產業與發展。							
			系教育目標 O	. •			
Dept.'s Education Objectives 1 專業人才培育—奠立學生專業知能,培育產業技術人才。							
1	To cultivate talents with basic professional knowledge						
2	團隊合作訓練—落實分工合作觀念,具備溝通服從能力。 To train students with teamwork ability						
3	創新思維啟發—具備自我學習能力,啟發創新思維模式。 To inspire students with creative thinking						
4	多元學翌月劃—訓練觸粨亭诵 B.维,拉養其太科技 T. 放 閱讀 港 通 能 力。						
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	培育具備工程、應用數學與物理科學等數理知識之基本能力。 To cultivate the basic knowledge of engineering, applied mathematics and physics.					•	
В		擬驗證、實作實現之能; basic ability of ana of systems.		cation and	•		
С	To train the aux	與硬體實務驗證相互輔題 siliary ability betwee nd the verification of	en the utiliza				

D	訓練電機本知學能技術與工程實務相互結合運用之能力。 To train the integrate ability between professional instinct in ■						
	learning technique and engineering practice.						
	落實專題製作之群體合作與團隊競爭之能力。						
E	To fulfill the ability of group cooperation and teamwork competition.						
	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,掌握產業更迭需求與具備多元專長之能力。						
G	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						
	了解國內外市場變化,具備基本科技英文閱讀溝通之能力。						
H	To understand the change of global market and the have the						
	basic ability of reading and conversation in English.						
圖示說明Illustration :● 高度相關 Highly correlated ○中度相關 Moderately correlated							
課程大綱							
Course Outline							
介約	介紹光電半導體元件包括發光二極體、雷射二極體、光偵測器、太陽光電、及顯示器等之元件物						
理、運作原理、及設計概念,與其相關製程和設備。							
	Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)						
投景	<b>影機</b>						
	課程要求和教學方式之建議						
Course Requirements and Suggested Teaching Methods							
課堂講課							
	其他						
	W' 11						

Miscellaneous