



# 課 綱 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	產業實習				
英文課程名稱 Course Name in English	Industry Internship				
科目代碼 Course Code	EE__40620	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	半導體專題研究(一)/半導體專題研究(二)				
課程目標 Course Objectives					
藉由至校外實習，學生接觸實務工作後，學習該產業之專業技能，並實際體驗職場文化，強化自身競爭力。					
系教育目標 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。 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	多元學習規劃—訓練觸類旁通思維，培養基本科技英文閱讀溝通能力。 To plan courses with multi-learning modes				
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.			○	
B	培育系統分析、模擬驗證、實作實現之能力。 To cultivate the basic ability of analysis, verification and implementation of systems.			○	
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.			●	

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.	●
E	落實專題製作之群體合作與團隊競爭之能力。 To fulfill the ability of group cooperation and teamwork competition.	●
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	●
H	了解國內外市場變化，具備基本科技英文閱讀溝通之能力。 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

為縮小學用落差，本系與相關廠商訂有「業界實習合約」，學生可修習此課程，並依據合約之規範進行業界實習。

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.)

業界實習之儀器設備由廠商提供。

#### 課程要求和教學方式之建議

#### Course Requirements and Suggested Teaching Methods

學生需選擇與系上簽署業界實習合約之廠商，並根據合約規範之訓練時程、進度及工作範圍等進行實習並享有合約敘明之薪酬及福利。

#### 其他

#### Miscellaneous