

朝陽科技大學 092學年度第1學期教學大綱
Semiconductor Manufacturing and Management 半導體製造與管理

當期課號	6096	Course Number	6096
授課教師	吳欣潔	Instructor	WU,HSIN CHIEH
中文課名	半導體製造與管理	Course Name	Semiconductor Manufacturing and Management
開課單位	工業工程與管理系(二進)五A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程除了簡介IC的製造流程之外，也提供管理半導體廠的基本技巧。同時還以台積電的製造管理系統為講課的範例，加深學生對實際產業的印象。本課程可以當做學生進入半導體廠工作前的準備；也可以將所學的方法應用到其他的工業。	Objectives	The course not only briefly introduces IC manufacturing flow, but also provides basic skills for managing semiconducting fabrication. Besides, illustrations of tsmc's management systems are lectured to increase students' impression of realistic semiconducting industry. The course can be considered as the preparation for entering semiconducting industry. The students also can apply those learned methods to other industries.
教材	1.課堂講解, 2.專題報告	Teaching Materials	1.lecture, 2.project report
成績評量方式	平常表現20%,期中報告20%,期中考20%,期末報告20%.期末考20%	Grading	Participation 20%, midterm report20%, midterm 20%, final report 20%, final exam 20%.
教師網頁	-		
教學內容	本課程除了簡介IC的製造流程之外，也提供管理半導體廠的基本技巧。同時還以台積電的製造管理系統為講課的範例，加深學生對實際產業的印象。本課程可以當做學生進入半導體廠工作前的準備；也可以將所學的方法應用到其他的工業。	Syllabus	The course not only briefly introduces IC manufacturing flow, but also provides basic skills for managing semiconducting fabrication. Besides, illustrations of tsmc's management systems are lectured to increase students' impression of realistic semiconducting industry. The course can be considered as the preparation for entering semiconducting industry. The students also can apply those learned methods to other industries.

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