

朝陽科技大學 097學年度第1學期教學大綱
Embedded System Integration 嵌入式系統整合

當期課號	7428	Course Number	7428
授課教師	陳宏達	Instructor	CHEN,HON DA
中文課名	嵌入式系統整合	Course Name	Embedded System Integration
開課單位	資訊工程系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程讓學生瞭解開發完整嵌入式系統的方法，並使學生能將電路元件整合到系統及瞭解各元件介面及相互的作用。	Objectives	This course will show students how to develop a complete Embedded system, including processors, storage subsystems, interface, and operating system. At the end of this course the students should be able to: (1). integrate components into a system; (2). recognize how components interfere and interact.
教材	NO	Teaching Materials	
成績評量方式	1.homework: 40% 2.exam.: 30% 2.project: 30%	Grading	1.homework: 40% 2.exam.: 30% 2.project: 30%
教師網頁	http://163.17.10.78		
教學內容	第一章：Introduction to SOC Design 第二章：SOC Design Flow & Tools 第三章：Platforms Based SOC Design 第四章：Hardware/Software Co-design 第五章：Introduction to SIP Design 第六章：Embedded RTOS 第七章：Mixed-mode Design 第八章：SOC Testing & Verification 第九章：Case Study	Syllabus	第一章：Introduction to SOC Design 第二章：SOC Design Flow & Tools 第三章：Platforms Based SOC Design 第四章：Hardware/Software Co-design 第五章：Introduction to SIP Design 第六章：Embedded RTOS 第七章：Mixed-mode Design 第八章：SOC Testing & Verification 第九章：Case Study

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