朝陽科技大學 091學年度第1學期教學大綱
Computer Organization & Architecture 計算機組織與結構

當期課號	2765	Course Number	2765
授課教師	廖珙洲	Instructor	LIAO,HSIEN CHOU
中文課名	計算機組織與結構	Course Name	Computer Organization & Architecture
開課單位	資訊工程系(四日)二A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程主要講述計算機系統各單元架構運作情形。學生在完成本課程後，將可了解關於計算機系統以下幾個主題：1.記憶體 2. 輸入及輸出 3. 中央處理裝置4. 指令集5. 控制單元6. 精簡指令系統。	Objectives	The goal of this course is to provide the students with a basic knowledge of computer system. The students will realize the following computer system basics after finishing this course: 1. Memory, 2. I/O, 3. CPU, 4. Instruction set, 5. Control unit, 6. Reduced Instruction Set computer.
教材	投影片教學配合上課討論與課後習題來增進學生對於課程內容的瞭解，並且配合分組討論的方式，讓同學能互相溝通交流，增進學習興趣與成效。	Teaching Materials	
成績評量方式	1.Homework (by team): 20% 2.Spot test (by team):15% 3.Quizs.: 65% 4.E-mail questions: 10% (one good e-mail gets five points)	Grading	
教師網頁	_		
教學內容	- To learn the fundamentals and design issues of modern computer systems. - Topics include: system bus, memory, I/O, OS support, instruction set, CPU, RISC, superscaler processor, etc.	Syllabus	

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