朝陽科技大學 095學年度第2學期教學大綱
Electronics 電子學

當期課號	3802	Course Number	3802
授課教師	楊伏夷	Instructor	YANG,FUW YI
中文課名	電子學	Course Name	Electronics
開課單位	資訊工程系(四進)二A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	1. 針對電子電路初階課程內容,採中慢速度講述教學. 2. 由於本課程爲研究所考科之一,故擬以升學考試爲其目標,進行計算題實際演練方式實施之. 3. 本學期所進行之期中/期末考題,參考各大學考古題出題,以培養同學未來升學實戰之能力. 4.內容:基本電學與電路學,二極體及其應用電路,雙極介面電晶體及其應用電路,運算放大器及其應用電路,金氧半場效電晶體及其應用電路.	Objectives	1. Introduction to the fundamental concept of Microelectronics(midium-speed teaching). 2. Since it is one of graduate entrance courses, our teaching goal is to enhance the analysis ability of electrical circuit. 3. The styles of Midterm/Final exam. refer to the graduate entrance exam. 4.Content: some basic concepts about electronic circuits, diodes and application, BJTs and application, OP Amplifiers and application, MOSFETs and application.
教材	1. Electronic Devices 7th Ed. By Floyd, 全華書局代理 2. Electronic Circuit Anbalysis and Design 2nd Ed. By Neamen	Teaching Materials	
成績評量方式	1. 期中考試30% 2. 期末考試30% 3. 平常作業與上課出席40%	Grading	1. Midterm Exam. : 30% 2. Final Exam.: 30% 3. Homework & Participation : 40%
教師網頁	_		
教學內容	二極體電路 雙極電晶體 基本雙極電晶體電路 場效電晶體 基本場效電晶體電路 頻率響應	Syllabus	Diode circuits The bipolar junction transistor Basic BJT amplifiers The field-effect transistor Basic FET amplifiers Frequency response

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