

朝陽科技大學 098學年度第1學期教學大綱
Electronic Circuits 電子電路

當期課號	2813	Course Number	2813
授課教師	陳伯岳	Instructor	CHEN,PO YUEH
中文課名	電子電路	Course Name	Electronic Circuits
開課單位	資訊工程系(四日)二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程的主要目的要讓學習者瞭解電子電路的基本分析與設計概念，包含以下內容：頻率響應分析、差動放大器、電流鏡、振盪器分析、回授電路、濾波器分析、功率放大器、CMOS邏輯族電路。	Objectives	The objective of this course is to develop a comprehensive understanding of the basic concepts involving the design and analysis of electronic circuits. The course outline is as follows : Frequency Response, Differential Amplifier, Current Mirror, Oscillator Circuit, Feedback Circuits, Filter, Power Amplifier and CMOS Logic Families.
教材	Electronics Fundamentals Circuits, Devices, and Applications 7th ed By Floyd (高立圖書代理)04-2295-0808	Teaching Materials	Electronics Fundamentals Circuits, Devices, and Applications 7th ed By Floyd
成績評量方式	平時考:30% 期中考:30% 期末考:30%	Grading	Quiz:30% Midterm exam:30% Final exam:30%
教師網頁	-		
教學內容	1. 基本電路理論 2. 電容與電感 3. RC電路、RL電路、RLC電路 4. 基本元件:電晶體、二極體 5. 放大器 6. 頻率響應	Syllabus	1. Basic Theory 2. Capacitors and inductors 3. RC , RL, and RLC circuits 4. Devices 5. Amplifiers 6. Frequency responses

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