

朝陽科技大學 097學年度第1學期教學大綱  
Electronic Circuits 電子電路

當期課號	3785	Course Number	3785
授課教師	張格乙	Instructor	Chang, Ker Yii
中文課名	電子電路	Course Name	Electronic Circuits
開課單位	資訊工程系(四進)三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	[1] Thomas L. FLOYD "ELECTRONIC DEVICES (CONVENTIONAL CURRENT VERSION) 8E" [2] Supply in the course.	Teaching Materials	[1] Thomas L. FLOYD "ELECTRONIC DEVICES (CONVENTIONAL CURRENT VERSION) 8E" [2] Supply in the course.
成績評量方式	[1]期中考:25% [2]期末考:25% [3]平時測驗:30% [4]報告:10% [5]出席:10%	Grading	[1]Midterm Exam:25% [2]Final Exam:25% [3]Quiz:30% [4]Project Report:10% [5]Attendance:10%
教師網頁	-		
教學內容	10. Amplifier Frequency Response 12. The Operational Amplifier 13. Basic Op-Amp Circuits 14. Special-Purpose Op-Amp Circuits 15. Active Filters 16. Oscillators	Syllabus	10. Amplifier Frequency Response 12. The Operational Amplifier 13. Basic Op-Amp Circuits 14. Special-Purpose Op-Amp Circuits 15. Active Filters 16. Oscillators

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