

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	3746	Course Number	3746
授課教師	劉文正	Instructor	Liu,Wen Jeng
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	"ELECTRONIC DEVICES (CONVENTIONAL CURRENT VERSION) 8E"Thomas L. FLOYD 原著; 楊棧雲,林光謙,楊伏夷 編譯	Teaching Materials	"ELECTRONIC DEVICES (CONVENTIONAL CURRENT VERSION) 8E"by Thomas L. FLOYD
成績評量方式	期中考 30% 期末考 30% 平時成績 40%	Grading	Mid-term exam 30% Final exam 30% Quiz 40%
教師網頁	-		
教學內容	教學內容：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。	Syllabus	The course outline is as follows : Frequency Response, Differential Amplifier, Current Mirror, Oscillator Circuit, Feedback Circuits, Filter, Power Amplifier and CMOS Logic Families.

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