

朝陽科技大學 098學年度第2學期教學大綱
Electronic Circuits(II) 電子電路(二)

當期課號	2894	Course Number	2894
授課教師	梁新穎	Instructor	LIANG,HSIN YING
中文課名	電子電路(二)	Course Name	Electronic Circuits(II)
開課單位	資訊與通訊系(四日)二A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	"本課程是教導學生進階的電子電路原理。要達成這目標，學生將學習：1. 場效電晶體結構與設計。2. 場效電晶體交流分析。3. 差動放大器原理。4. 運算放大器介紹與應用。5. 正回授與負回授。6. 頻率響應"	Objectives	"The goal of this course is to provide students with an advanced knowledge of the electronic circuits. To achieve the goal, students will learn 1. Introduction to FET structure and basic operation. 2. FET characteristics and parameters 3. Differential amplifier. 4. OP amplifier (OPA) applications. 5. Positive feedback / negative feedback. 6. Frequency response."
教材	Thomas L. Floyd, Electronic Decives (Conventional Current Version), Prentice Hall, ISBN-13: 978-0-13-615581-2.	Teaching Materials	Thomas L. Floyd, Electronic Decives (Conventional Current Version), Prentice Hall, ISBN-13: 978-0-13-615581-2.
成績評量方式	1.期中考(30%) 2.期末考(30%) 3.小考(20%) 4.作業(10%) 5.出席率(10%)	Grading	1. Midterm Exam (30%) 2. Final Exam (30%) 3. Quiz (20%) 4. Homework (10%) 5. Attendance (10%)
教師網頁	http://www.cyut.edu.tw/~hyliang/		
教學內容	本課程主要介紹電子電路之相關零件特性及其其應用的電路，並將搭配實習課程操作。	Syllabus	This course introduces basic circuit theory and analytical methods for electric circuits, emphasizing methods useful in practice. Topics covered include: Feedback Circuits; Filter; Power Amplifier and CMOS Logic Families.

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