朝陽科技大學 096學年度第2學期教學大綱
Electronics 電子學

當期課號	2347	Course Number	2347
授課教師	張原豪	Instructor	CHANG,YUEN HAW
中文課名	電子學	Course Name	Electronics
開課單位	資訊工程系(四日)一B	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. Fundamentals of Electronic Circuit Analysis and Design, Niemann, Donald A.Neamen, 1st, McGraw-Hill 2. Microelectronics, J. Millman, 2nd, McGraw-Hill. 3. Microelectric Circuits, S. Smith, 4th, Oxford.	Teaching Materials	
成績評量方式	1. 期中末考: 各25% (2次共計50%) 2. 平時小考: 各10% (2次共計20%) 3. 平時作業: 20% 4. 出席情形: 10%	Grading	1. Midterm 30%, Final 30% 2. Quiz: 10%*2 3. Homework: 20% 4. Attitute:10% (present/absent)
教師網頁	-		
教學內容	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試科目之一,故擬以升學考試 爲其目標,進行課程內容總整理.計算題實際演練... 等方式實施之. 3. 本學期所進行之期中及期末考題,擬參考各大學考 古題爲主軸出題,以培養同學未來升學實戰之能力.	Syllabus	1. Introduce the fundamental concept of Microelectronics 2. Since Microelectronics is one of courses for applying graduate schools, our teach aim is to enhance the analysis ability of electrical circuit. 3. The styles of Midterm/Final exam. refer to the graduate entrance exam.

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