

朝陽科技大學 093學年度第1學期教學大綱  
Microwave Circuit 微波電路學

當期課號	7258	Course Number	7258
授課教師		Instructor	
中文課名	微波電路學	Course Name	Microwave Circuit
開課單位	網路與通訊研究所碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	1.電磁波理論複習 2.傳輸線理論 3.微波網路分析 4.平面型傳輸線特性 5.波導電路理論 6.平面型電路組件	Objectives	1. Review of Electromagnetic Wave Theory 2. Transmission Line Theory 3. Microwave Network Analysis 4. Characteristics of Planar Transmission Lines 5. Waveguide Circuit Theory 6. Planar Circuit Components
教材	Handout and Papers	Teaching Materials	
成績評量方式	Midterm 30% Final 40% Project 30%	Grading	Midterm 30% Final 40% Project 30%
教師網頁	-		
教學內容	The analysis and design of radio frequency circuit are presented in this course. The contents are Introduction to Wireless Communication Systems, Transmission Lines & Microwave Network Analysis, Impedance Matching & Biasing Networks, Passive Components: Power Dividers, Directional Couplers,&Hybrids, RF/Microwave Filters Passive & Active RF/Microwave Devices, Active RF/Microwave Circuits and Transmitter/Receiver RF Characteristic	Syllabus	The analysis and design of radio frequency circuit are presented in this course. The contents are Introduction to Wireless Communication Systems, Transmission Lines & Microwave Network Analysis, Impedance Matching & Biasing Networks, Passive Components: Power Dividers, Directional Couplers,&Hybrids, RF/Microwave Filters Passive & Active RF/Microwave Devices, Active RF/Microwave Circuits and Transmitter/Receiver RF Characteristic

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