

朝陽科技大學 094學年度第1學期教學大綱  
Radio Frequency Circuit Analysis and Design 射頻電路分析與設計

當期課號	7399	Course Number	7399
授課教師	黃永發	Instructor	HUANG,YUNG FA
中文課名	射頻電路分析與設計	Course Name	Radio Frequency Circuit Analysis and Design
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	主要目標在射頻電路基本原理，Smith圖及其應用，阻抗匹配技術，被動與主動網路參數設計，及濾波器設計等。	Objectives	The studies on RF fundamentals, Smith chart and its applications, Impedance matching techniques, Network parameters, Passive networks design, and Filters design.
教材	1.RF Circuit Design, R. Ludwig and P. Bretchko, Prentice Hall, 2000 2.RF電路設計,曾振東著,2004	Teaching Materials	
成績評量方式	Midterm 30% Homworks 30% Projects and Reports 40%	Grading	Midterm 30% Homworks 30% Projects and Reports 40%
教師網頁	<a href="http://www.cyut.edu.tw/~yfahuang">http://www.cyut.edu.tw/~yfahuang</a>		
教學內容	1.RF fundamentals 2.Smith chart and its applications 3.Impedance matching techniques 4.Network parameters 5.Passive networks design 6.Filters design 7.Coupled line analysis and applications 8.Couplers design 9.Power dividers design	Syllabus	1.RF fundamentals 2.Smith chart and its applications 3.Impedance matching techniques 4.Network parameters 5.Passive networks design 6.Filters design 7.Coupled line analysis and applications 8.Couplers design 9.Power dividers design

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