

朝陽科技大學 099學年度第2學期教學大綱
An Introduction to Wireless Communication Systems 無線通訊系統概論

當期課號	2543	Course Number	2543
授課教師	洪玲隆	Instructor	HUNG,HO LUNG
中文課名	無線通訊系統概論	Course Name	An Introduction to Wireless Communication Systems
開課單位	資訊與通訊系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	"本課程主要使學生能夠 1. 了解無線通訊系統之基本原理與觀念。(知識) 2. 知道展頻通訊系統並應用多用戶通訊技術。(能力) 3. 能夠比較各種不同無線通訊系統架構。(態度) 4. 能夠探討新一代無線通訊技術架構。(其他) 5.以口頭及書面方式報告，呈現其對無線通訊系統技術之觀念及其應用。(其他)"	Objectives	This course provides students to 1. understand basic principles and concepts of wireless communication systems. 2. know spread spectrum communication systems and the multiuser communication applications. 3. be able to compare various wireless communication system architecture. 4. investigate next generation wireless communications technology architecture. 5. orally and in writing reports, rendering its technology for wireless communication system and its applications.
教材	1.Theodore S. Rappaport, "Wireless Communications," Prentice Hall, 2001. 2.William Stalling, "Wireless Communication and Networks", Prentice Hall,2002(滄海代理,ISBN:0-13-095011-4) 3.Principles of Spread Spectrum Communication, A. J. Viterbi, Addison-Wesley, 1995.	Teaching Materials	1.Theodore S. Rappaport, "Wireless Communications," Prentice Hall, 2001. 2.William Stalling, "Wireless Communication and Networks", Prentice Hall,2002(滄海代理,ISBN:0-13-095011-4) 3.Principles of Spread Spectrum Communication, A. J. Viterbi, Addison-Wesley, 1995.
成績評量方式	Midterm 30% Homeworks 30% Final Reports 40%	Grading	Midterm 30% Homeworks 30% Final Reports 40%
教師網頁	www.cyut.edu.tw/~yfahuang		
教學內容	This course introduces a general overview of the concepts of wireless communication systems. The following topics will be covered in this class. 1.PCS, GSM, GPRS 2.Wireless LAN, Bluetooth, Zigbee 3.3G Mobile Systems 4.Beyond 3G Mobile Systems 5.LTE systems	Syllabus	This course introduces a general overview of the concepts of wireless communication systems. The following topics will be covered in this class. 1.PCS, GSM, GPRS 2.Wireless LAN, Bluetooth, Zigbee 3.3G Mobile Systems 4.Beyond 3G Mobile Systems 5.LTE systems

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