

**朝陽科技大學 095學年度第1學期教學大綱**  
**Wireless communication systems 無線通訊系統**

<b>當期課號</b>	7415	<b>Course Number</b>	7415
<b>授課教師</b>	黃永發	<b>Instructor</b>	HUANG,YUNG FA
<b>中文課名</b>	無線通訊系統	<b>Course Name</b>	Wireless communication systems
<b>開課單位</b>	網路與通訊研究所碩士班二A	<b>Department</b>	
<b>修習別</b>	選修	<b>Required/Elective</b>	Elective
<b>學分數</b>	3	<b>Credits</b>	3
<b>課程目標</b>	"本課程針對無線通訊系統之基本原理與觀念作廣泛之探討，主題包含下列無線通訊網路系統: 1. PCS, GSM, GPRS 2. Wireless LAN, Mobile IP, Bluetooth 3. 3G Mobile Systems 4. Beyond 3G Mobile Systems 5. Wireless Sensor networks "	<b>Objectives</b>	This course provides a general overview of wireless communication systems and addresses fundamental concepts in this field. After a review of spread spectrum systems and their application to multiuser communications, advanced wireless communication systems and general concepts of wide and local area wireless networks are described.
<b>教材</b>	1.Theodore S. Rappaport, "Wireless Communications," Prentice Hall, 2001. 2.William Stallng, "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.	<b>Teaching Materials</b>	1.Theodore S. Rappaport, "Wireless Communications," Prentice Hall, 2001. 2.William Stallng, "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.
<b>成績評量方式</b>	Midterm 30% Homeworks 30% Final Reports 40%	<b>Grading</b>	Midterm 30% Homeworks 30% Final Reports 40%
<b>教師網頁</b>	<a href="http://www.cyut.edu.tw/~yfahuang">www.cyut.edu.tw/~yfahuang</a>		
<b>教學內容</b>	This course provides 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, Mobile IP, Bluetooth 3.3G Mobile Systems 4.Beyond 3G Mobile Systems	<b>Syllabus</b>	This course provides 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, Mobile IP, Bluetooth 3.3G Mobile Systems 4.Beyond 3G Mobile Systems

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