

朝陽科技大學 099學年度第1學期教學大綱
Personal Communication System 個人通訊系統

當期課號	2593	Course Number	2593
授課教師	黃永發	Instructor	HUANG,YUNG FA
中文課名	個人通訊系統	Course Name	Personal Communication System
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	通訊系統原理、無線網際網路上資料傳遞、核心網路(Core Network)架構、行動用戶資料管理等一般性的介紹。以GSM現今台灣佔有率最高的無線行動網路，做為觀察的對象，加入一般封包式無線電服務(General Packet Radio Service; GPRS)的簡介。	Objectives	1.Introduction to PCS,2. Mobility management,3. Handoff management ,4. GSM Core network signaling framework,5. GSM Mobility Management, 6. International Roaming for GSM, 7. GSM Network Signaling Framework, 8. SMS specification, 9. GPRS, 10. UMTS, 11. Other PCS systems
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 provides a general overview of the concepts of wireless personal communication systems. The following topics will be covered in this class. 1.PCS, GSM, GPRS 2.Wireless LAN, Mobile IP, Bluetooth 3.Bluetooth 4.ZeeBee Systems 5.Beyond 3G Mobile Systems	Syllabus	This course provides a general overview of the concepts of wireless personal communication systems. The following topics will be covered in this class. 1.PCS, GSM, GPRS 2.Wireless LAN, Mobile IP, Bluetooth 3.Bluetooth 4.ZeeBee Systems 5.Beyond 3G Mobile Systems

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