朝陽科技大學 096學年度第2學期教學大綱
Personal Communication System 個人通訊系統

當期課號	7434	Course Number	7434
授課教師	林仁勇	Instructor	Lin,Jen Yung
中文課名	個人通訊系統	Course Name	Personal Communication System
開課單位	網路與通訊研究所碩士班二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，做爲觀察的對象，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	Theodore S. Rappaport, Wireless Communications, 2nd .ED. , Prentice Hall PTR.	Teaching Materials	Theodore S. Rappaport, Wireless Communications, 2nd .ED. , Prentice Hall PTR.
成績評量方式	Midterm 30% Final 30% Homeworks & Project 40%	Grading	Midterm 30% Final 30% Homeworks & Project 40%
教師網頁	http://www.csie.dyu.edu.tw/~jylin		
教學內容	This course provides a general overview of personal communication system. Various techniques, such as cellular concepts,channel assignment strategies, initial access procedures, handoff algorithms, are introducced.	Syllabus	This course provides a general overview of personal communication system. Various techniques, such as cellular concepts,channel assignment strategies, initial access procedures, handoff algorithms, are introducced.

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