

朝陽科技大學 097學年度第1學期教學大綱
Mobile Communication 行動計算

當期課號	7467	Course Number	7467
授課教師	王能中	Instructor	WANG,NENG CHUNG
中文課名	行動計算	Course Name	Mobile Communication
開課單位	資訊與通訊系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	由於行動計算所帶來的便利性以及寬廣的聯繫能力，使得行動計算在下一個世代中成爲一個重要的新興研究主題。本課程將會教導學生關於行動計算的基本理念，然後更深入的探討以下的研究主題：(1) Mobile IP (IPv6), (2) 行動管理(mobility management), (3) 無線TCP (4) Ad Hoc網路, and (5) 路由及安全。	Objectives	This course is designed to teach students various technologies for wireless networks. The topics discussed in the course include (1) Wireless LAN and its research in 802.11, WLAN security, (2) GPRS wireless network, (3) Wireless Application Protocol (WAP) and (4) Bluetooth Issues and Applications.
教材	Lecture Notes	Teaching Materials	Lecture Notes
成績評量方式	Attendance, Homework, and Quiz (30%); Midterm Exam (30%); Paper presentation (40%)	Grading	Attendance, Homework, and Quiz (30%); Midterm Exam (30%); Paper presentation (40%)
教師網頁	http://www.csie.nyu.edu.tw/~ncwang		
教學內容	This course is aimed at introducing the basic concepts of mobile computing. The following topics will be covered in this class: 1. Mobile Ad Hoc Networks 2. Wireless Sensor Networks 3. Wireless Personal Area Networks 4. Wireless Metropolitan Area Networks 5. Mobile Broadband Wireless Access 6. Pervasive Computing	Syllabus	This course is aimed at introducing the basic concepts of mobile computing. The following topics will be covered in this class: 1. Mobile Ad Hoc Networks 2. Wireless Sensor Networks 3. Wireless Personal Area Networks 4. Wireless Metropolitan Area Networks 5. Mobile Broadband Wireless Access 6. Pervasive Computing

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