

朝陽科技大學 092學年度第2學期教學大綱  
Mobile Communication 行動計算

當期課號	7783	Course Number	7783
授課教師	楊朝成	Instructor	YANG, CHOU CHEN
中文課名	行動計算	Course Name	Mobile Communication
開課單位	資訊工程系碩士在職專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	<p>這門課介紹行動計算相關的概念，主題包含：蜂巢式網路、無線網路、行動計算應用、安全性或者能源效益的議題。在完成這門課之後，學生將可學習到下面幾點：1.瞭解無線網路的運作，例如：頻道分配、多重存取、換手機制或者位置管理；2.瞭解不同通訊協定的運作，例如：MAC通訊協定、路由方法、隨意網路；3.開發行動運算應用，例如：行動代理人或者資料群播</p>	Objectives	<p>This course gives an introduction to the concepts of mobile computing. Topics to be covered are: cellular networks, wireless networks, mobile application, security, and energy-effective issues. The students will realize the following mobile computing basics after finishing this course: 1. realize the operation of wireless networks, such as channel allocation, multiple access, handoffs, or location management; 2. understand the operation of various protocols, such as MAC protocol, routing, or Ad-hoc networking; 3. develop mobile applications, such as mobile agent, or data broadcasting.</p>
教材	Lecture and Discussing Project simulation	Teaching Materials	Lecture and Discussing Project simulation
成績評量方式	Discussing 30% Presentation 20% Final Report 15% Simulaation Project 15% Final Exam 20%	Grading	Discussing 30% Presentation 20% Final Report 15% Simulaation Project 15% Final Exam 20%
教師網頁	-		
教學內容	<p>Mobile environments Mobile IP and research problems Ad hoc Networks and researches GSM/GPRS systems and security Bluetooth and researches Wireless LAN and its researches</p>	Syllabus	<p>Mobile environments Mobile IP and research problems Ad hoc Networks and researches GSM/GPRS systems and security Bluetooth and researches Wireless LAN and its researches</p>

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