# 朝陽科技大學 096學年度第1學期教學大綱
# Mobile Communication 行動計算

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| 當期課號 | 7823 | Course Number | 7823 |
| 授課教師 | 張本杰 | Instructor | CHANG,BEN JYE |
| 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 | 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 | Objectives | 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. |
| 教材 | slides | Teaching Materials | slides |
| 成績評量方式 | Homework, Projects, Midterm, and Final | Grading | Homework, Projects, Midterm, and Final |
| 教師網頁 | | | |
| 教學內容 | 『PART I -- Introduction of Mobile Computing』<br>『PART II -- Mobile Computing Networks』<br>『PART III – Mobile Computing Protocols -- WLANs』<br>『PART IV – Mobile Computing Protocols -- WMANs』<br>『PART V – Mobile Computing Protocols -- PCS』<br>『PART VI – Pervasive Computing』<br>『 PART VII – Heterogenous Wireless Networking 』 | Syllabus | 『PART I -- Introduction of Mobile Computing』<br>『PART II -- Mobile Computing Networks』<br>『PART III – Mobile Computing Protocols -- WLANs』<br>『PART IV – Mobile Computing Protocols -- WMANs』<br>『PART V – Mobile Computing Protocols -- PCS』<br>『PART VI – Pervasive Computing』<br>『 PART VII – Heterogenous Wireless Networking 』 |

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