

朝陽科技大學 094學年度第1學期教學大綱  
Wireless Networks 無線網路

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|--------|---|--------------------|---|
| 當期課號   | 7376  | Course Number      | 7376  |
| 授課教師   | 王能中   | Instructor         | WANG,NENG CHUNG   |
| 中文課名   | 無線網路  | Course Name        | Wireless Networks   |
| 開課單位   | 資訊工程系碩士班一A  | Department         |   |
| 修習別    | 選修  | Required/Elective  | Elective  |
| 學分數    | 3   | Credits            | 3   |
| 課程目標   | <p>這門課的目標是提供學生無線網路的知識，主題包括：無線網路簡介、無線網路實體層、無線網路資料連結層、無線網路網路層、行動節點換手問題與方法行動IP協定運作。在完成這門課之後，學生將可以學習到下面幾點：1.瞭解無線網路最低三層的功能；2.瞭解無線網路層間的互相運作；3.瞭解無線網路上的換手與行動IP協定運作；4.建立無線網路運作的觀念、演算法與協定。</p>   | Objectives         | <p>The goal of this course is to provide students with a basic knowledge of the wireless networking. The main topics include wireless networking introduction, Physical Layer of Wireless Networks, Data-link Layer of Wireless Networks, Network Layer of Wireless Networks, and Handoff and Mobile IP of Networks. Students will realize the following backgrounds of this course after completing the course: 1. The function of the lower three layers of wireless network; 2. The operation of inter-layer in wireless networks; 3. Understand the operation of protocols in wireless networks; 4. Understand the algorithms and concepts of layered protocols in wireless networks.</p> |
| 教材     | Lecture Notes   | Teaching Materials |   |
| 成績評量方式 | Homework and Paper Presentation (40%), Midterm Exam (30%), Final Project (30%)  | Grading            | Homework and Paper Presentation (40%), Midterm Exam (30%), Final Project (30%)  |
| 教師網頁   | <a href="http://www.csie.cyut.edu.tw/~ncwang">http://www.csie.cyut.edu.tw/~ncwang</a>   |                    |   |
| 教學內容   | <p>This course is aimed at introducing the concepts of wireless networks. The following topics will be covered in this class.</p> <ol style="list-style-type: none"> <li>1. PCS, GSM, GPRS</li> <li>2. Wireless LAN, Mobile IP, Bluetooth</li> <li>3. 3G Mobile Systems</li> <li>4. Beyond 3G Mobile Systems</li> <li>5. Mobile Ad Hoc Networks</li> <li>6. Wireless Sensor networks</li> </ol> | Syllabus           | <p>This course is aimed at introducing the concepts of wireless networks. The following topics will be covered in this class.</p> <ol style="list-style-type: none"> <li>1. PCS, GSM, GPRS</li> <li>2. Wireless LAN, Mobile IP, Bluetooth</li> <li>3. 3G Mobile Systems</li> <li>4. Beyond 3G Mobile Systems</li> <li>5. Mobile Ad Hoc Networks</li> <li>6. Wireless Sensor networks</li> </ol>   |

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