朝陽科技大學 098學年度第2學期教學大綱
Wireless network technologies: principles, protocols and applications 無線網路協定技術與實務

當期課號	7465	Course Number	7465
授課教師	朱鴻棋	Instructor	CHU,HUNG CHI
中文課名	無線網路協定技術與實務	Course Name	Wireless network technologies: principles, protocols and applications
開課單位	資訊與通訊系碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程之內容主要涵蓋IEEE 802系列之各類無線網路標準，包括WPAN、WLAN、WMAN、WWAN、MIH 等。本課程之實驗內容包括在WiFi, Bluetooth, Zigbee與RFID等無線網路協定技術之封包分析。	Objectives	This course covers the standards of IEEE 802 series. Tentative topics include WPAN, WLAN, WMAN, WWAN, MIH (Media Independent Handover) and so on. The experiements of this course include the packet analysis of WiFi, Bluetooth, Zigbee, and RFID.
教材	九十六年度教育部資通科技人才培育先導型計畫 無線通信教學推動聯盟中心「無線網路技術實務與應用」課程所編之教材	Teaching Materials	Teaching Materials is Created by the project of National Science and Technology Program for Telecommunications -- Wireless network technologies: principles, protocols and applications
成績評量方式	期中考25% 期末考25% 作業20% 實驗15% 小考15%	Grading	Midterm 25% Final 25% Homewrok 20% Experiment 15% Quiz 15%
教師網頁	www.cyut.edu.tw/~hcchu		
教學內容	1. IEEE 802 無線網路規格簡介 2. WPAN簡介 3. WLAN簡介 4. WMAN簡介 5. WWAN & WRAN簡介 6. IEEE 802.21 (MIH) 簡介 7. 無線網路管理技術與實例 8. 無線網路實驗(Bluetooth, Zigbee, WiFi, and RFID)	Syllabus	1. Overview of the standards of IEEE 802 series. 2. Introduction of WPAN 3. Introduction of WLAN 4. Introduction of WMAN 5. Introduction of WWAN & WRAN 6. Introduction of IEEE 802.21 (MIH) 7. Wireless Network Management 8. Experiments of wireless networks(Bluetooth, Zigbee, WiFi, and RFID)

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