朝陽科技大學 098學年度第2學期教學大綱
Next Generation Internet Technology 次世代網際網路技術

當期課號	7422	Course Number	7422
授課教師	李建緯	Instructor	LI,JIAN WEI
中文課名	次世代網際網路技術	Course Name	Next Generation Internet Technology
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	這門課的目標是提供學生次世代網際網路技術的知識，主題包括：網際網路簡介、次世代網際網路網路層與傳輸層的演算法與協定、具服務品質保證的協定等。在完成這門課之後，學生將可以學習到下面幾點：1.瞭解次世代網際網路技術的功能；2.瞭解次世代網際網路的網路層與傳輸層互相運作；3.學習到具服務品質保證的協定運作；4.建立次世代網際網路技術整體的觀念、演算法與協定。	Objectives	The goal of this course is to provide students with a basic knowledge of the computer networking. The main topics include Internet introduction, Network layer of Next generation Internet, Transport layer of Next generation Internet, QoS-based protocols for Next generation Internet. Students will realize the following backgrounds of this course after completing the course: 1. The function of Next generation Internet; 2. The functions of Network/Transport layers of Next generation Internet; 3. Understanding the QoS-based protocols; 4. Understanding the algorithms and concepts of Next generation Internet.
教材	Slides Papers	Teaching Materials	Slides Papers
成績評量方式	Project, Paper Study and Final Proposal	Grading	Project, Paper Study and Final Proposal
教師網頁			
教學內容	1. Introduction to services of ITS 2. Network architecture of Vehicle Communication 3. Heterogeneous Radio Access Networks 4. IP Multimedia Subsystem (IMS) 5. Multimedia Broadcast and Multicast Services (MBMS) 6. IP Multimedia Services 7. Vehicular Communication Gateway (VCG)	Syllabus	1. Introduction to services of ITS 2. Network architecture of Vehicle Communication 3. Heterogeneous Radio Access Networks 4. IP Multimedia Subsystem (IMS) 5. Multimedia Broadcast and Multicast Services (MBMS) 6. IP Multimedia Services 7. Vehicular Communication Gateway (VCG)

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