朝陽科技大學 097學年度第2學期教學大綱
Multimedia Communications 多媒體通訊

當期課號	7478	Course Number	7478
授課教師	張林煌	Instructor	CHANG,LIN HUANG
中文課名	多媒體通訊	Course Name	Multimedia Communications
開課單位	資訊與通訊系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	"1. 3G 網路介紹 2. IP 網路介紹 3. 多媒體服務支援和會議管理 4. 移動性 IP 5. 服務品質 6. IP 在 3G"	Objectives	"1. An Introduction to 3G Networks 2. An Introduction to IP Networks 3. Multimedia Service Support and Session Management 4. IP-Mobility 5. Quality of Service 6. IP for 3G"
教材	Carrier Grade Voice over IP," D. Collins, McGraw-Hill, Second Edition, 2003	Teaching Materials	Carrier Grade Voice over IP," D. Collins, McGraw-Hill, Second Edition, 2003
成績評量方式	Homework x 3 30% Mid-term exam 25% Final exam 25% Term project 20%	Grading	Homework x 3 30% Mid-term exam 25% Final exam 25% Term project 20%
教師網頁	http://www.ntcu.edu.tw/~lchang		
教學內容	1. Introduction 2. Transporting Voice by Using IP 3. Speech-Coding Techniques (Optional) 4. H.323 5. Session Initiation Protocol (SIP) and ENUM 6. SIP over Network Address Translation (NAT) 7. Media Gateway Control and the Softswitch Architecture 8. VoIP and SS7 9. Quality of Service 10. Designing a Voice over IP Network	Syllabus	1. Introduction 2. Transporting Voice by Using IP 3. Speech-Coding Techniques (Optional) 4. H.323 5. Session Initiation Protocol (SIP) and ENUM 6. SIP over Network Address Translation (NAT) 7. Media Gateway Control and the Softswitch Architecture 8. VoIP and SS7 9. Quality of Service 10. Designing a Voice over IP Network

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