

朝陽科技大學 094學年度第2學期教學大綱
Advanced Computer Networks 高等電腦網路

當期課號	7684	Course Number	7684
授課教師	張林煌	Instructor	CHANG,LIN HUANG
中文課名	高等電腦網路	Course Name	Advanced Computer Networks
開課單位	資訊管理系碩士在職專班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程將介紹先進的電腦網路與通訊方面的主題，除了網際網路上的協定如IPv6、行動IP、及SCTP之外，還包括無線網路與行動通訊方面的主題如行動隨意網路、藍芽、以及無線感應器網路等。	Objectives	This course will provide an up-to-date survey of developments in computer network and communication issues. In addition to the Internet protocols such as IPv6, Mobile IP, and SCTP, wireless communication and mobile communication will be discussed such as mobile ad hoc networks, bluetooth, and wireless sensor networks.
教材	Internetworking with TCP/IP Volume I: Principles, Protocols and Architectures, 4th edition, D. Comer, 2000, Prentice Hall High-Speed Networks and Internets, 2nd edition, W. Stallings, 2002, Prentice Hall	Teaching Materials	
成績評量方式	Midterm 30%, Final exam 30%, Final project 40%	Grading	Midterm 30%, Final exam 30%, Final project 40%
教師網頁	www.cyut.edu.tw/~lchang		
教學內容	This course will provide an up-to-date survey of developments in Advanced Computer Network issues. Based on the Internet Protocol and the entire TCP/IP protocol suite, some research topics, such as IPv6, NAT, VPN and Linux Network Programming, will be discussed. Some hand-on experiment will be conducted to help understand the network mechanism.	Syllabus	This course will provide an up-to-date survey of developments in Advanced Computer Network issues. Based on the Internet Protocol and the entire TCP/IP protocol suite, some research topics, such as IPv6, NAT, VPN and Linux Network Programming, will be discussed. Some hand-on experiment will be conducted to help understand the network mechanism.

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