朝陽科技大學 092學年度第2學期教學大綱
Advanced Computer Networks 高等資訊網路

當期課號	7606	Course Number	7606
授課教師	張林煌	Instructor	CHANG,LIN HUANG
中文課名	高等資訊網路	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	這個課程為研究所的基礎課程，其主要目的為設計來教導學生基本的電腦網路以及資料通訊概念。除此之外。進階的網路技術以及研究主題諸如ATM高速網路、擁塞控制、連接層控制、TCP連線擁塞及流量控制、路由協定也將在本課程中被討論	Objectives	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, Mobile IP and SCTP, will be discussed. The basic principle of queueing theory for network performance analysis will be presented. Some hand-on experiment will be conducted to help understand the network mechanism.
教材	Class presentation, hand-on demonstration	Teaching Materials	Class presentation, hand-on demonstration
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.