朝陽科技大學 091學年度第2學期教學大綱
Advanced Computer Networks 高等資訊網路

當期課號	7110	**Course Number**	7110
授課教師	張英超	**Instructor**	CHANG,ING CHAU
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	in class	**Teaching Materials**	in class
成績評量方式	Homework(50%)、Midterm Exam(20%)、Final Project(30%)	**Grading**	Homework(50%)、Midterm Exam(20%)、Final Project(30%)
教師網頁			
教學內容	Network Concepts I Network Concepts II TCP/IP concept I, TCP/IP concept II Asynchronous Transfer Mode (ATM) High Speed LANs ARQ Congestion control Link layer control TCP Flow and Congestion Control TCP Traffic Control Routing Protocols Internet Routing	**Syllabus**	Network Concepts I Network Concepts II TCP/IP concept I, TCP/IP concept II Asynchronous Transfer Mode (ATM) High Speed LANs ARQ Congestion control Link layer control TCP Flow and Congestion Control TCP Traffic Control Routing Protocols Internet Routing