朝陽科技大學 096學年度第2學期教學大綱
Computer Networks 電腦網路

當期課號	2278	Course Number	2278
授課教師	范揚文	Instructor	FAN,YANG WEN
中文課名	電腦網路	Course Name	Computer Networks
開課單位	資訊管理系(四日)二A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	在這個課程中，我們將學習電腦網路及網際網路如何運作。 主要分成四個部份來討論: 1. 資料傳輸，介紹硬體層的運作。 2. 封包傳輸，討論封包如何交換。 3. 網路連接，說明網際網路的架構與定址及其協定等。 4. 網路應用，解釋網路應用程式的運作。	Objectives	1. Computer networks terminology & Communication basics 2. Networking and network technologies: Packet switching, framing, Local and wide area technologies, Networking addressing, Connection and extension, Measures of delay and throughput, Protocol layers 3. Internets and Internetworking: Internet Protocol (IP) datagram format and addressing, Internet routers and routing, Address binding (ARP), User datagram protocol (UDP), Transmission control protocol (TCP) 4. Network applications: Domain name system (DNS), File transfer protocol (FTP), E-mail transfer (SMTP, POP3), Web technologies and protocol (HTTP, CGI) .
教材	Textbook: TCP/IP PROTOCOL SUITE 3E, FOROUZAN, 全華. 中文版: TCP/IP協定, 陳中和 吳秀峰譯, 全華書局.	Teaching Materials	TCP/IP PROTOCOL SUITE 3E, FOROUZAN, 全華.
成績評量方式	20% Homeworks & In-class Response 40% Mid Term Exam. 40% Final Exam.	Grading	20% Homeworks & In-class Response 40% Mid Term Exam. 40% Final Exam.
教師網頁	www.cyut.edu.tw/~ywfan		
教學內容	This course provides a comprehensive overview of computer networks. Topics include network architectures, communication protocols; data link control, medium access control, LANS and MANS; network layer, TCP/IP; and network security	Syllabus	This course provides a comprehensive overview of computer networks. Topics include network architectures, communication protocols; data link control, medium access control, LANS and MANS; network layer, TCP/IP; and network security

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