

朝陽科技大學 098學年度第2學期教學大綱
Computer Networks 電腦網路

當期課號	2680	Course Number	2680
授課教師	林芳昌	Instructor	LIN,FANG CHANG
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	<p>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。</p>	Objectives	<p>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) .</p>
教材	<p>1. "Computer Networking: A Top-Down Approach Featuring the Internet," third edition, J.F. Kurose and K.W. Ross, Addison Wesley, 2004.</p> <p>2. "Computer Networks," Fourth Edition, Andrew S. Tanenbaum, Prentice Hall PTR, 2003.</p> <p>3. "TCP/IP Protocol Suite," 3/e, FOROUZAN, McGRAW-HILL, 2006.</p>	Teaching Materials	<p>1. "Computer Networking: A Top-Down Approach Featuring the Internet," third edition, J.F. Kurose and K.W. Ross, Addison Wesley, 2004.</p> <p>2. "Computer Networks," Fourth Edition, Andrew S. Tanenbaum, Prentice Hall PTR, 2003.</p> <p>3. "TCP/IP Protocol Suite," 3/e, FOROUZAN, McGRAW-HILL, 2006.</p>
成績評量方式	<p>1. 作業與平時成績 40-60 % 2. 期中考 20-30% 3. 期末考 20-30%</p>	Grading	<p>1. Exercise and Participation 40-60 % 2. Midterm Exam. 20-30% 3. Final Exam. 20-30%</p>
教師網頁	www.cyut.edu.tw/~fclin		
教學內容	<p>1. USING AND BUILDING INTERNET APPLICATIONS 2. DATA TRANSMISSION 3. PACKET TRANSMISSION 4. INTERNETWORKING 5. NETWORK APPLICATIONS</p>	Syllabus	<p>1. USING AND BUILDING INTERNET APPLICATIONS 2. DATA TRANSMISSION 3. PACKET TRANSMISSION 4. INTERNETWORKING 5. NETWORK APPLICATIONS</p>

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