

朝陽科技大學 097學年度第1學期教學大綱
Computer Networks 電腦網路

當期課號	2697	Course Number	2697
授課教師	鄭文昌	Instructor	CHENG,WEN CHANG
中文課名	電腦網路	Course Name	Computer Networks
開課單位	資訊工程系(四日)二B	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	<p>這門課的目標是提供學生電腦網路的知識，主題包括：網路簡介、網路實體層、資料連結層、網路層與應用層的演算法與協定。在完成這門課之後，學生將可以學習到下面幾點：1. 瞭解網路各層的功能；2. 瞭解網路層間的互相運作；3. 瞭解網路上不同系統相對應層的協定運作；4. 建立網路整體的觀念、演算法與協定。</p>	Objectives	<p>The goal of this course is to provide students with a basic knowledge of the computer networking. The main topics include networking introduction, Physical Layer of Networks, Data-link Layer of Networks, Network Layer of Networks, and Application Layer of Networks. Students will realize the following backgrounds of this course after completing the course: 1. The function of each network layer; 2. The operation of inter-layer; 3. Understand the operation of protocols; 4. Understand the algorithms and concepts of layered protocols.</p>
教材	<p>Textbook Kurose and Rose, "Computer Networking,"4th edition, Addison Wesley</p> <p>Reference books W. Richard Stevens, "TCP/IP Illustrated volume 2,(The Protocols)" Addison Wesley, 1993. Andrew S. Tanenbaum, "Computer Networks", 4th edition, Prentice Hall Douglas E. Comer, "Internet Working with TCP/IP" volume I.</p>	Teaching Materials	<p>Textbook Kurose and Rose, "Computer Networking,"4th edition, Addison Wesley</p> <p>Reference books W. Richard Stevens, "TCP/IP Illustrated volume 2,(The Protocols)" Addison Wesley, 1993. Andrew S. Tanenbaum, "Computer Networks", 4th edition, Prentice Hall Douglas E. Comer, "Internet Working with TCP/IP" volume I.</p>
成績評量方式	作業、Projects、期中考、學期考試	Grading	Homework, Projects, Midterm, and Final
教師網頁	http://www.csie.cyut.edu.tw/~changb/changb83_pub/index.html		
教學內容	<p>『 PART I -- Introduction of Computer Networks 』 『 PART II -- Local Area Networks 』 『 PART III – High Speed Networking 』 『 PART IV – Internet and Internetworking 』</p>	Syllabus	<p>PART I -- Introduction of Computer Networks 』 『 PART II -- Local Area Networks 』 『 PART III – High Speed Networking 』 『 PART IV – Internet and Internetworking 』</p>

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