朝陽科技大學 096學年度第1學期教學大綱
Computer Networks 電腦網路

當期課號	2411	Course Number	2411
授課教師	張本杰	Instructor	CHANG,BEN JYE
中文課名	電腦網路	Course Name	Computer Networks
開課單位	資訊工程系(四日)二C	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	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。	Objectives	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.
教材	Textbook Kurose and Rose, “Computer Networking”, 4th edition, Addison Wesley 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.	Teaching Materials	Textbook Kurose and Rose, “Computer Networking”, 4th edition, Addison Wesley 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.
成績評量方式	作業，Projects，期中末考	Grading	Homework, Projects, Midterm, and Final
教師網頁			
教學內容	『PART I -- Introduction of Computer Networks』 『PART II -- Local Area Networks』 『PART III – High Speed Networking』 『 PART IV – Internet and Internetworking 』	Syllabus	PART I -- Introduction of Computer Networks』 『PART II -- Local Area Networks』 『PART III – High Speed Networking』 『 PART IV – Internet and Internetworking 』

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