朝陽科技大學 096學年度第1學期教學大綱
Protocol Engineering 網路協定工程

當期課號	7437	Course Number	7437
授課教師	朱鴻棋	Instructor	CHU,HUNG CHI
中文課名	網路協定工程	Course Name	Protocol Engineering
開課單位	網路與通訊研究所碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程涵蓋了網路協定工程的基礎,課程的主題包括了通訊協定的架構、需求、與驗證協定設計；有限的狀態機器的設計；一套網路協定的設計、驗證，以及規格的撰寫。	Objectives	This course covers the fundamentals of protocol engineering. Tentative topics include communication protocols: architecture, requirements, and validation; protocol design; finite state machine design and closure check; and protocol suite design, validate, and specifications.
教材	(1) Computer Networking with Internet Protocols and Technology / William Stallings/ International Edition Publisher: Prentice Hall ISBN: 0131911554 代理商:高立圖書 (04-22950808) (2) 計算機網路實驗/施勢帆、吳國華、林毓能著/學貫行銷	Teaching Materials	(1) Computer Networking with Internet Protocols and Technology / William Stallings/ International Edition Publisher: Prentice Hall ISBN: 0131911554 代理商:高立圖書 (04-22950808) (2) 計算機網路實驗/施勢帆、吳國華、林毓能著/學貫行銷
成績評量方式	Midterm 25% Final Term 25% Homework 25% Paper present 25%	Grading	Midterm 25% Final Term 25% Homework 25% Paper present 25%
教師網頁	www.cyut.edu.tw/~hcchu		
教學內容	Data Networks and the Internet Protocols and the TCP/IP Protocol Suite Traditional Applications Modern Applications Congestion and Performance Issues Transport Protocols TCP Traffic Control Internet Protocols Integrated and Differentiated Services Protocols for QoS Support Interior Routing Protocols Exterior Routing Protocols and Multicast Wide Area Networks Data Link Control Local Area Networks Network Security Network Management	Syllabus	Data Networks and the Internet Protocols and the TCP/IP Protocol Suite Traditional Applications Modern Applications Congestion and Performance Issues Transport Protocols TCP Traffic Control Internet Protocols Integrated and Differentiated Services Protocols for QoS Support Interior Routing Protocols Exterior Routing Protocols and Multicast Wide Area Networks Data Link Control Local Area Networks Network Security Network Management

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