

朝陽科技大學 093學年度第2學期教學大綱  
Protocol Engineering 網路協定工程

當期課號	7278	Course Number	7278
授課教師	楊偉儒	Instructor	YANG,WEI ZU
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一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	Computer Networking:A top down approach Featuring the Internet, 2nd edition, Jim Kurose, Keith RossAddison-Wesley, July 2002.	Teaching Materials	
成績評量方式	Midterm 30% Final Term 30% Paper present 40%	Grading	Midterm 30% Final Term 30% Paper present 40%
教師網頁	-		
教學內容	Goal:get context, overview, "feel" of networking in more depth. I will start from the basic OSI layer, but with a faster speed. I will use the materials by Education project to teach mobile computing concepts. Students should form stuidying groups for presenting a network topic at the final. The number of group members should not exceed three.	Syllabus	Introductions Application Layer Transport Layer Network Layer and Routing Data Link Layer Multimedia Networking Network Security Network Management Mobile Network VoIP Wireless LAN

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