

朝陽科技大學 097學年度第1學期教學大綱  
Network Programming 網路程式設計

當期課號	7465	Course Number	7465
授課教師	賴坤助	Instructor	KUEN,CHU LAI
中文課名	網路程式設計	Course Name	Network Programming
開課單位	資訊與通訊系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	低層網路技術回顧。－ 網路層通訊協定。－ 網際網路地址與實體地址的映射－ 啟動時確定網路層地址－ 網路層通訊協定運作原理－ 傳輸層通訊協定－ 封包驅動程式界面－ 網路程式界面－ 網路程式界面程式設計。	Objectives	Review of Underlying Network Technologies; OSI 7- Layer; LAN、MAN、WAN; Ethernet Technology, IP Protocol; ARP; RARP; Internet Protocol Operation TCP Protocol Operation, Packet Driver Interface; Network Programming over Packet Driver Interface, Socket Interface; Network Programming over Socket Interface.
教材	W. R. Stevens, "Unix Network Programming"  The Linux Kernel Module Programming Guide ( <a href="http://ldp.org/LDP/lkmpg/2.6/html/">http://ldp.org/LDP/lkmpg/2.6/html/</a> )  Jonathan Corbet, Alessandro Rubini, and Greg Kroah-Hartman, Linux Device Drivers	Teaching Materials	W. R. Stevens, "Unix Network Programming"  The Linux Kernel Module Programming Guide ( <a href="http://ldp.org/LDP/lkmpg/2.6/html/">http://ldp.org/LDP/lkmpg/2.6/html/</a> )  Jonathan Corbet, Alessandro Rubini, and Greg Kroah-Hartman, Linux Device Drivers  The Linux Cross Reference <a href="http://lxr.linux.no/">http://lxr.linux.no/</a>
成績評量方式	General 10% Midterm 20% Project 40% Final exam 30%	Grading	General 10% Midterm 20% Project 40% Final exam 30%
教師網頁	-		
教學內容	Linux socket programming Win32 socket programming Linux kernel module programming Linux device driver	Syllabus	Socket (Linux/Win32) programming client /server Raw socket Netlink socket Linux kernel module programming Linux Netfilter module Linux device driver-e100 driver

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