

朝陽科技大學 098學年度第1學期教學大綱
Internet Technologies 網際網路技術

當期課號	2857	Course Number	2857
授課教師	張本杰	Instructor	CHANG,BEN JYE
中文課名	網際網路技術	Course Name	Internet Technologies
開課單位	資訊工程系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	<p>這門課的目標是提供學生網際網路方面的知識。在完成這門課之後，學生將可以學習到下面幾點： 1. 網際網路通訊協定 2. 網際網路交換設備 3. IPv6次世代網際網路協定 4. 路由演算法 5.流量控制 6. 網際網路服務品質。</p>	Objectives	<p>The goal of this course is to provide the students with a basic knowledge of Internet Technologies. The students will realize the following internet technologies after finishing this course: 1. communication protocols 2. switching equipments 3. IPv6 Next Generation Internet Protocol 4. routing protocol 5. traffic control 6. Internet Quality of Service (QoS).</p>
教材	<p>Text books Behrouz A. Forouzan, "TCP/IP Protocol Suites," 4th ed., Mcgraw Hill, 2009.</p> <p>References Douglas Comer, "INTERNETWORKING WITH TCP/IP VOL.1: PRINCIPLES, PROTOCOLS AND ARCHITECTURE", 5ed., Prentice Hall, 2006. J. Doyle and J. Carroll, "Routing TCP/IP, Volume 1 (2nd Edition) (CCIE Professional Development)", Cisco Press, 2005.</p>	Teaching Materials	<p>Text books Behrouz A. Forouzan, "TCP/IP Protocol Suites," 4th ed., Mcgraw Hill, 2009.</p> <p>References Douglas Comer, "INTERNETWORKING WITH TCP/IP VOL.1: PRINCIPLES, PROTOCOLS AND ARCHITECTURE", 5ed., Prentice Hall, 2006. J. Doyle and J. Carroll, "Routing TCP/IP, Volume 1 (2nd Edition) (CCIE Professional Development)", Cisco Press, 2005.</p>
成績評量方式	<p>Homework 30% Midterm 40% Project 30%</p>	Grading	<p>Homework 30% Midterm 40% Project 30%</p>
教師網頁	http://www.csie.yuntech.edu.tw/cht/changb85_pub/index.html		
教學內容	<p>Network Layer Basic IP Routing IPv6 Next Generation Internet Wireless IP Mobile IPv4 and IPv6 Project</p> <p>Transport Layer TCP UDP Project</p> <p>Internet QoS Routing Best-effort routing RSVP Scheduling and Policing Mechanisms Project</p>	Syllabus	<p>Network Layer Basic IP Routing IPv6 Next Generation Internet Wireless IP Mobile IPv4 and IPv6 Project</p> <p>Transport Layer TCP UDP Project</p> <p>Internet QoS Routing Best-effort routing RSVP Scheduling and Policing Mechanisms Project</p>

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