

朝陽科技大學 099學年度第2學期教學大綱  
Network Programming 網路程式設計

當期課號	3674	Course Number	3674
授課教師	廖琬洲	Instructor	LIAO,HSIEN CHOU
中文課名	網路程式設計	Course Name	Network Programming
開課單位	資訊工程系(四進)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路程式設計的知識，主題包括：網路程式設計簡介、網路程式設計的基本資料結構、Socket網路程式設計、TCP/UDP Client Server網路程式設計、Thread網路程式設計、Multiplexing IO Programming。在完成這門課之後，學生將可以學習到下面幾點：1.瞭解網路程式設計的基本資料結構；2.瞭解Socket TCP/UDP網路程式設計；3.高等 Thread與 Multiplexing IO 程式設計；4. Client Server 網路系統實作。</p>	Objectives	<p>The goal of this course is to provide students with a basic knowledge of the network programming. The main topics include introduction, data structures for network programming, Socket programming, TCP/UDP socket programming, Thread and Multiplexing I/O programming. Students will realize the following backgrounds of this course after completing it: 1. The data structure of network programming; 2. The client server-based TCP and UDP socket programming; 3. The advanced Thread and Multiplexing IO programming; 4. Implement a client server application.</p>
教材	教科書：Visual Basic 2008網路程式設計之道(碁峰)	Teaching Materials	Textbook: Visual Basic 2008 Network Programming (GoTop Info.)
成績評量方式	<p>1. 30% 作業 2. 10% 課堂參與 3. 30% 線上程式測驗 4. 30% 期末專題</p>	Grading	<p>1. 30% Assignment 2. 10% Class Participation 3. 30% Online Programming Test 4. 30% Final Project</p>
教師網頁	<a href="ftp://163.17.10.20/NetworkProg">ftp://163.17.10.20/NetworkProg</a>		
教學內容	<ul style="list-style-type: none"> <li>- 藉由程式實作來加強網路的基本概念</li> <li>- 學習使用Visual Basic 2008來開發網路應用程式</li> <li>- 實作將包含TCP, UDP, SMTP, POP3, FTP, HTTP, Web Browser等</li> </ul>	Syllabus	<ul style="list-style-type: none"> <li>- To understand the concept of network communication from the development of network application.</li> <li>- To learn how to use Visual Basic 2005 on the development of network application.</li> <li>- The development topics include TCP, UDP, POP3, FTP, HTTP, Web Browser, etc.</li> </ul>

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