

朝陽科技大學 095學年度第1學期教學大綱
Network Programming 網路程式設計

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| 當期課號 | 7410 | Course Number | 7410 |
| 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 | 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 | 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 | Slide and demo codes, Textbook W. R. Stevens, "Unix Network Programming", References book G. R. Wright and W. R. Stevens, "TCP/IP Illustrated volume 2", Addison Wesley | Teaching Materials | |
| 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 | Internet Protocol version 4 Internet Protocol version 6 Monitor IP packet socket and winsocket Implementation Routing Algorithms Implementation Network simulation | Syllabus | Internet Protocol version 4 Internet Protocol version 6 Monitor IP packet socket and winsocket Implementation Routing Algorithms Implementation Network simulation |

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