# 朝陽科技大學 098學年度第2學期教學大綱
# Operating System 作業系統

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| 當期課號 | 7418 | Course Number | 7418 |
| 授課教師 | 黃國安 | Instructor | HWANG,KUO AN |
| 中文課名 | 作業系統 | Course Name | Operating System |
| 開課單位 | 資訊工程系碩士班一A | Department | |
| 修習別 | 選修 | Required/Elective | Elective |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 本課程主要講述作業系統的基本概念、技術研析、系統管理與設計。課程內容包括：用者介面、過程管理、記憶體管理、檔案系統、輸出入系統、保護機制、與分散式系統等作業系統核心功能與技術研析，作業系統管理與設計理念。學生在完成本課程後，將可了解：1.作業系統核心功能與技術，2. 各項技術之理論基礎與研析， 3. 作業系統管理與設計概念。 | Objectives | The goal of this course is to provide the students with a basic knowledge of the kernel of operating systems, the evaluation techniques, and the design and management of an operating system. The main topics include system structure, user interfaces, process management, memory management, file systems, I/O systems, protection, and distributed systems. The students will realize the following topics after finishing this course: 1.the concepts and the techniques of the kernel of operating systems, 2. the evaluation techniques of the kernel techniques of operating systems, 3. the design and management of an operating system. |
| 教材 | 1. A. Silberschatz, P. B. Galvin, G. Gagne, Operating System Principles, Seventh Edition, John Wiley & Sons, Inc., 2006 | Teaching Materials | 1. A. Silberschatz, P. B. Galvin, G. Gagne, Operating System Principles, Seventh Edition, John Wiley & Sons, Inc., 2006 |
| 成績評量方式 | 1. 期中考(30%)<br>2. 期末考(30%)<br>3. 平時成績(40%) | Grading | 1. Mid-term Examination(30%)<br>2. Final Examination(30%)<br>3. Homework & Participation(40%) |
| 教師網頁 | http://kahwang.csie.cyut.edu.tw/ | | |
| 教學內容 | 1. 緒論<br>2. 過程管理<br>3. 記憶體管理<br>4. 資訊管理<br>5. 其他議題 | Syllabus | 1. Introduction<br>2. Process Management<br>3. Memory Management<br>4. Information Management<br>5. Miscellaneous issues |

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