

**朝陽科技大學 098學年度第2學期教學大綱**  
**Introduction to Operating Systems 作業系統概論**

當期課號	2902	Course Number	2902
授課教師	張兆村	Instructor	Chang,Chao Tsun
中文課名	作業系統概論	Course Name	Introduction to Operating Systems
開課單位	資訊與通訊系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	"使學生能夠具有 a. 作業系統的基本概念 b. 了解系統架構、用者介面、程序管理、記憶體管理、檔案系統、I/O系統、保護及分散式系統這些重要議題。 c. 提昇作業系統設計之觀念"	Objectives	"This course provides the students with: a. Basic knowledge of the operation system. b. Realize the following important topics after finishing this course, such as the system structure, user interfaces, process management, memory management, file systems, I/O systems, protection, and distributed systems. c. Promote the design concept of operation system of students. "
教材	Operating System Principles: 第七版 John Wiley & Sons. Inc. (東華書局), Abraham Silberschatz, Peter Baer Balvin, Greg Gagne	Teaching Materials	Operating System Principles: 7th Edition John Wiley & Sons. Inc. Abraham Silberschatz, Peter Baer Balvin, Greg Gagne
成績評量方式	期中考30% 期末考30% 小考及出席成績 40%	Grading	Midterm Exam. 30% Final Exam. 30% Quiz/Attendance 40%
教師網頁	<a href="http://www.mis.hit.edu.tw/detail.asp?sn=81">http://www.mis.hit.edu.tw/detail.asp?sn=81</a>		
教學內容	1.簡介 2.系統架構 3.行程的概念 4.多執行緒程式設計 5.行程排程 6.同步 7.死結 8.記憶體管理策略 9.虛擬記憶體管理 10.檔案系統 11.實現檔案系統 12.次儲存體管理架構	Syllabus	1.Introduction 2.System Structures 3.Process-Concept 4.Multithreaded Programming 5.Process Scheduling 6.Synchronization 7.Deadlocks 8.Memory-Management Strategies 9.Virtual-Memory Management 10.File System 11.Implementing File Systems 12.Secondary-Storage Structure

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