朝陽科技大學 096學年度第1學期教學大綱
Data Structure 資料結構

當期課號	2398	Course Number	2398
授課教師	王能中	Instructor	WANG,NENG CHUNG
中文課名	資料結構	Course Name	Data Structure
開課單位	資訊工程系(四日)二A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	本課程主要講述有關資料的處理及儲存方式。學生在本課程中，將可學到以下幾個主題：1.陣列 2. 堆疊 3. 串列 4. 樹 5. 圖形理論 6. 排序。學生學完本課程後可利用本課程內的知識對資料進行更有效率的處理。	Objectives	"The goal of this course is to provide the students how to store data with how to process data. The covered issues in this course includes 1. array 2. stack 3. link list 4. tree 5. graph theory 6. sorting. After this course, the students can process the data more efficient. "
教材	Ellis Horowitz, Sartaj Sahni, and Susan Anderson-Freed, "Fundamentals of Data Structure in C (2/E)", 2007 (開發代理, ISBN: 0-929306-40-7)	Teaching Materials	Ellis Horowitz, Sartaj Sahni, and Susan Anderson-Freed, "Fundamentals of Data Structure in C (2/E)", 2007 (開發代理, ISBN: 0-929306-40-7)
成績評量方式	Attendance, Homework, and Quiz (30%); Midterm Exam (30%); Final Exam (40%)	Grading	Attendance, Homework, and Quiz (30%); Midterm Exam (30%); Final Exam (40%)
教師網頁	http://www.csie.nuu.edu.tw/~ncwang		
教學內容	1. Basic Concepts 2. Arrays 3. Stacks and Queues 4. Linked Lists 5. Trees 6. Graphs	Syllabus	1. Basic Concepts 2. Arrays 3. Stacks and Queues 4. Linked Lists 5. Trees 6. Graphs

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