

朝陽科技大學 099學年度第1學期教學大綱
Data Structure 資料結構

當期課號	3711	Course Number	3711
授課教師	廖琬洲	Instructor	LIAO,HSIEN CHOU
中文課名	資料結構	Course Name	Data Structure
開課單位	資訊工程系(四進)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	Fundamentals of Data Structures in C++, Horowitz, Silicon Press, 2008.	Teaching Materials	Fundamentals of Data Structures in C++, Horowitz, Silicon Press, 2008.
成績評量方式	1. 課堂測驗: 30% 2. 第一次測驗: 15% 3. 第二次測驗: 20% 4. 期末考: 25% 5. 課堂參與: 10%	Grading	1. In-Class Exam.: 30% 2. Exam. #1: 15% 3. Exam. #2: 20% 4. Final Exam.: 25% 5. Class Participation: 10%
教師網頁	http://163.17.10.20/DataStructure		
教學內容	課程內容的主題如下： * Stack and List * Tree: binary tree, winner tree, loser tree, heap * Graph and Network * Sorting and Hashing	Syllabus	The topics include: * Stack and List * Tree: binary tree, winner tree, loser tree, heap * Graph and Network * Sorting and Hashing

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