朝陽科技大學 091學年度第2學期教學大綱
Data Structure 資料結構

當期課號	2606	Course Number	2606
授課教師	曾育民	Instructor	TSENG,YUH MIN
中文課名	資料結構	Course Name	Data Structure
開課單位	資訊工程系(四日)一B	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	Class Room	Teaching Materials	Class Room
成績評量方式	1.程式作業(Programming Assignments): 30% 2.期中考(Midterm): 30% 3.期末考(Final exam): 30% 4.課堂參與(Participation):10% 5.程式競賽作業(Programming contest Assignment): Optional bonus 0~15%	Grading	1.程式作業(Programming Assignments): 30% 2.期中考(Midterm): 30% 3.期末考(Final exam): 30% 4.課堂參與(Participation):10% 5.程式競賽作業(Programming contest Assignment): Optional bonus 0~15%
教師網頁	_		
教學內容	This course introduces representation and transformation of information, interrelation between data structures and program structures. Topics include lists, arrays, trees and graphs, storage allocation, symbol tables, and algorithm analysis in regard to searching and sorting techniques.	Syllabus	This course introduces representation and transformation of information, interrelation between data structures and program structures. Topics include lists, arrays, trees and graphs, storage allocation, symbol tables, and algorithm analysis in regard to searching and sorting techniques.

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