朝陽科技大學 093學年度第1學期教學大綱
Parallel Database 平行資料庫

當期課號	7088	Course Number	7088
授課教師	羅有隆	Instructor	LO,YU LUNG
中文課名	平行資料庫	Course Name	Parallel Database
開課單位	資訊管理系碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	多處理器的電腦已廣泛的被應用。而多處理器的平行系統，也是被公認最具擴充性，能支援大型資料庫的使用需求。在這門課裡，我們將介紹平行處理的概念，以及平行架構、平行演算法、平行資料庫原理、資料的切割與置放、平行查詢的處理、平行查詢的排程等等。	Objectives	Multiprocessor computers have been widely used in all applications. It also has been recognized that multiprocessor system architecture is most scalable to support very large databases. In this class, we will introduce the concepts of parallel processings, parallel architectures, parallel algorithms, parallel database systems, parallel data allocations, parallel query processings, and parallel schedulings.
教材	1."Parallel Database Techniques," Mahdi Abdelguerfi & Kam-Fai Wong. 2. "Introduction to Parallel Algorithms," C. Xavier and S. S. Iyengar，高立圖書公司代理。 3. Recent journal/conference papers.	Teaching Materials	
成績評量方式	1. Assignments + Midterm exam + Final exam (60%) 2. Presentation & slides (20%) 3. Term paper (20%)	Grading	1. Assignments + Midterm exam + Final exam (60%) 2. Presentation & slides (20%) 3. Term paper (20%)
教師網頁	http://www.cyut.edu.tw/~yllo/pdb.htm		
教學內容	多處理器的電腦已廣泛的被應用。而多處理器的平行系統，也是被公認最最具擴充性，能支援大型資料庫的使用需求。在這門課裡，我們將介紹平行處理的概念，以及平行架構、平行演算法、平行資料庫原理、資料的切割與置放、平行查詢的處理、平行查詢的排程等等。	Syllabus	Multiprocessor computers have been widely used in all applications. It also has been recognized that multiprocessor system architecture is most scalable to support very large databases. In this class, we will introduce the concepts of parallel processing, parallel architecture, parallel algorithm, parallel database, parallel data allocation, parallel query processing, and parallel scheduling.