朝陽科技大學 092學年度第1學期教學大綱
Advanced Algorithm 高等演算法

當期課號	7789	**Course Number**	7789
授課教師	陳青文	**Instructor**	CHEN,CHING WEN
中文課名	高等演算法	**Course Name**	Advanced Algorithm
開課單位	資訊工程系碩士在職專班一A	**Department**	
修習別	選修	**Required/Elective**	Elective
學分數	3	**Credits**	3
課程目標		**Objectives**	
教材	slides and lecture notes	**Teaching Materials**	slides and lecture notes
成績評量方式	期中考30%, 期末考30%, 報告30%, 點名與平常分數10% 	**Grading**	Middle term:30% Final term: 30% Presentation: 30% Others: 10%
教師網頁			
教學內容	This course investigates several important algorithm topics. The covered issues in this course includes Complexity of algorithms and lower bounds of problems NP-complete Greedy method Divide-and-conquer Tree searching strategies Prune-and-search strategy Dynamic programming Approximation algorithms Amortized analysis Randomized algorithms 	**Syllabus**	This course investigates several important algorithm topics. The covered issues in this course includes Complexity of algorithms and lower bounds of problems NP-complete Greedy method Divide-and-conquer Tree searching strategies Prune-and-search strategy Dynamic programming Approximation algorithms Amortized analysis Randomized algorithms