朝陽科技大學 095學年度第1學期教學大綱
Engineering Economy 工程經濟

當期課號	1478	Course Number	1478
授課教師	鄭道明	Instructor	CHENG,TAO MING
中文課名	工程經濟	Course Name	Engineering Economy
開課單位	營建工程系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	公司經營需要不斷地投入資金與慎選投資方案才能成長茁壯，本課程即在教導工程案件之投資分析方法，課程內容包括錢的當量價值計算、單一投資方案分析、多重投資方案分析、不確性分析、公共投資方案分析。	Objectives	This course is concerned with the systematic evaluation of the particular benefits and costs of projects involving engineering design and analysis. Topics covered include equivalence methods, rate of return methods, comparing alternatives, benefit/cost ratio method, depreciation methods, and sensitivity analysis.
教材	Park, C. S. Contemporary Engineering Economics, Prentice Hall, N.Y.台北歐亞書局代理（02-8912-1188）。	Teaching Materials	Park, C. S. Contemporary Engineering Economics, Prentice Hall, N.Y.台北歐亞書局代理（02-8912-1188）。
成績評量方式	作業30% 小考30% 期中考10% 報告30%	Grading	homework 30% Quiz 30% Midtern Exam. 10% Project 30%
教師網頁	_		
教學內容	本課程主要教授以科學方法分析工程所遇到的投資計算,主要內容包括利息公式,投資方案分析,不確定性分析.	Syllabus	This course has two primary purposes: (1) to provide students with basic concepts and methodology of engineering economy; and (2) to help them develop proficiency with these methods and with the process for making rational decisions regarding situations they are likely to encounter in professional practice.

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