朝陽科技大學 099學年度第1學期教學大綱
Engineering Economy 工程經濟

當期課號	1537	**Course Number**	1537
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)三A	**Department**	
修習別	選修	**Required/Elective**	Elective
學分數	2	**Credits**	2
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	原著：Blank, K. and Tarquin A. Basic of engineering economy, McGraw Hill Eduaction, N.Y. 譯本：林裕欽，工程經濟概論。雙葉書廊有限公司，台北市羅斯福路三段269巷12號1樓。	**Teaching Materials**	Blank, K. and Tarquin A. Basic of engineering economy, McGraw Hill Eduaction, N.Y.
成績評量方式	作業:50% 小考:20%(10%*2) 期中考:15%*1 期末考:15%*1	**Grading**	homework 50% Quiz 20% Midtern Exam. 15% Final Exam 15%
教師網頁	www.cyut.edu.tw/~tmcheng		
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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