

**朝陽科技大學 099學年度第2學期教學大綱**  
**Engineering Economy 工程經濟**

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|---------------|--|---------------------------|---|
| <b>當期課號</b>   | 3295   | <b>Course Number</b>      | 3295  |
| <b>授課教師</b>   | 趙正敏  | <b>Instructor</b>         | Chao,Cheng Min  |
| <b>中文課名</b>   | 工程經濟   | <b>Course Name</b>        | Engineering Economy   |
| <b>開課單位</b>   | 產學攜手計畫專班工業工程管理系(四產)三B  | <b>Department</b>         |   |
| <b>修習別</b>    | 必修   | <b>Required/Elective</b>  | Required  |
| <b>學分數</b>    | 3  | <b>Credits</b>            | 3   |
| <b>課程目標</b>   | 提供學生對工程經濟之基本概念、原理與方法之了解與用途，並教導學生熟用工程經濟方法以及決策分析方法與程序來應用於解決實務問題。   | <b>Objectives</b>         | Provide Methods and modern techniques of engineering economic analysis for decision making. Major topics are: cost concepts, time value of money, evaluations of economic alternatives, depreciation and income taxes, inflation and price changes, and etc.      |
| <b>教材</b>     | 教科書：工程經濟學與決策程序 (Engineering Economy and the Decision-Making Process)<br>作者：Joseph C. Hartman 原著；鄭純媛、劉福興、吳振賢編譯<br>參考書：Engineering Economy, 13th Edition，作者：W.G. Sullivan, E.M. Wick, and J.T. Luxhoj，出版社：Pearson Education (華泰書局代理) | <b>Teaching Materials</b> | Text Book：工程經濟學與決策程序 (Engineering Economy and the Decision-Making Process, Author: Joseph C. Hartman); 鄭純媛、劉福興、吳振賢編譯<br>Reference：Engineering Economy, 13th Edition; Author: W.G. Sullivan, E.M. Wick, and J.T. Luxhoj; Publisher: Pearson Education (華泰書局代理)     |
| <b>成績評量方式</b> | 定期考試：45%（共3次，每次15%），<br>平常小考：10%<br>期中考：20%，<br>期末考：25%，   | <b>Grading</b>            | Exams：45%（3 exams, 15% each),<br>Quiz：10%<br>Midterm：20%,<br>Final：25%,   |
| <b>教師網頁</b>   | -  |                           |   |
| <b>教學內容</b>   | 提供學生對工程經濟之基本概念、原理與方法之了解與用途，並教導學生熟用工程經濟方法以及決策分析方法與程序來應用於解決實務問題。內容包括成本概念、貨幣的時間價值、投資方案的評估基準、多種投資之比較、折舊與稅率問題、專案計畫現金流量的估算、通貨膨脹問題、設備更新評估以及不確定因素之處理等。   | <b>Syllabus</b>           | Provide Methods and modern techniques of engineering economic analysis for decision making. Topics are as follows: cost concepts, time value of money, evaluations of economic alternatives, depreciation and income taxes, inflation and price changes, and etc. |

尊重智慧財產權，請勿非法影印。