

**朝陽科技大學 096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>   | 3323   | <b>Course Number</b>      | 3323   |
| <b>授課教師</b>   | 林志蒼  | <b>Instructor</b>         | LIN, CHIH TSANG  |
| <b>中文課名</b>   | 工程經濟   | <b>Course Name</b>        | Engineering Economy  |
| <b>開課單位</b>   | 營建工程系(二進)四A  | <b>Department</b>         |  |
| <b>修習別</b>    | 選修   | <b>Required/Elective</b>  | Elective   |
| <b>學分數</b>    | 3  | <b>Credits</b>            | 3  |
| <b>課程目標</b>   | 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。               | <b>Objectives</b>         | 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. |
| <b>教材</b>     | 01.華泰文化李克聰 編譯"工程經濟學"<br>02.講義  | <b>Teaching Materials</b> |  |
| <b>成績評量方式</b> | 01.上課出席情形 15%<br>02. 期末報告或作業 15%<br>03. 期中考試 30%<br>04. 期末考試 40%   | <b>Grading</b>            | 01. Presence 15%<br>02. Home work 15%<br>03. Mid-term examination 30%<br>04. Final examination 40%   |
| <b>教師網頁</b>   | -  |                           |  |
| <b>教學內容</b>   | 課程大綱(中)：<br>01. 工程經濟之觀念<br>02. 時間就是金錢<br>03. 投資原則<br>04. 現值法<br>05. 年值法<br>06. 報酬率法<br>07. 折舊觀念<br>08. 稅賦的影響 | <b>Syllabus</b>           | The main content are as follows.<br>01. Introduction<br>02. Time is Money<br>03. Principles of Investing<br>04. Present Worth Analysis<br>05. Annual Equivalent Worth Analysis<br>06. Rate of Return Analysis<br>07. Depreciation<br>08. Corporate Income Taxes  |

尊重智慧財產權，請勿非法影印。