# 朝陽科技大學 094學年度第1學期教學大綱
# Steel Structural Design (I) 鋼結構設計(一)

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| 當期課號 | 1500 | Course Number | 1500 |
| 授課教師 | 伍勝民 | Instructor | WU,SHENG MIN |
| 中文課名 | 鋼結構設計(一) | Course Name | Steel Structural Design (I) |
| 開課單位 | 營建工程系(四日)三A | Department | |
| 修習別 | 必修 | Required/Elective | Required |
| 學分數 | 3 | Credits | 3 |
| 課程目標 | 透過本課程，讓學生瞭解目前鋼結構設計的主流LRFD設計方法。目前國內的營建法規亦較趨向本強度設計法，學生學習後將能在就業市場中順應潮流。 | Objectives | From this course, the students are able to realize the trend of structural steel design--LRFD. So far, domestic building code used in Taiwan is also more like this method. The students will have more ability to the practice design work after learning this course. |
| 教材 | 1)鋼結構極限設計法規範及解說,營建雜誌社<br>2)LRFD Steel Design, william T. Segui(參考)<br>3)Alsc Manual of Steel Construction, LRFD, 3rd Ed.(參考) | Teaching Materials | |
| 成績評量方式 | 30%期中考<br>30%期末考<br>40%平時考（四次） | Grading | Midterm Examination ─ 30%<br>Final Examination ─ 30%<br>Quiz and Assignment ─ 40% |
| 教師網頁 | | | |
| 教學內容 | 透過本課程，讓學生瞭解目前鋼結構設計的極限設計方法。目前國內的營建法規較普遍採用本設計法(或稱強度設計法)，學生學習後將能充分應用在就業市場中。 | Syllabus | Concepts in structural steel design,Steel properties and cross-sectional shapes,Tension members,Connections members. Compression members,Midterm Examination Flexural members, Beam-columns. Connections, Final examination. |

尊重智慧財產權，請勿非法影印。