朝陽科技大學 097學年度第1學期教學大綱
Steel Structural Design (I) 鋼結構設計(一)

當期課號	1656	**Course Number**	1656
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	選修	**Required/Elective**	Elective
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 2)LRFD Steel Design, william T. Segui(參考) 3)Alsc Manual of Steel Construction, LRFD, 3rd Ed.(參考)	**Teaching Materials**	1)Limit State Design Method And Secifications for Steel 2)LRFD Steel Design, william T. Segui(For Reference) 3)Alsc Manual of Steel Construction
成績評量方式	30%期中考 30%期末考 40%平時考（四次）	**Grading**	Midterm Examination ─ 30% Final Examination ─ 30% Quiz and Assignment ─ 40%
教師網頁	Refer to CE Website		
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.

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