朝陽科技大學 091學年度第2學期教學大綱
Steel Structural Design (I) 鋼結構設計(一)

當期課號	1066	Course Number	1066
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	透過隨堂上課教材，給予設計實例及施工實例以提高實務能力及學習效果。	Teaching Materials	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.
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	_		
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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