朝陽科技大學 099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	1541	**Course Number**	1541
授課教師	徐暐亭	**Instructor**	Shu,Wei Ting
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	a. 課堂講義 b. Steel Structures, Design and Behavior. 4th Edition, C.G. Salmon & J.E. Johnson, 1996. c. AISC, Manual of Steel Construction, 13th Edition, 2005. d. AISC, Manual of Steel Construction, Load and Resistance Factor Design.，3rd Edition，2001. e. AISC, Manual of Steel Construction, Allowable Stress Design，9th Edition ,1989. f. 鋼構造建築物鋼結構設計技術規範（一）鋼結構容許應力設計法規範及解說，營建雜誌社 g. 鋼構造建築物鋼結構設計技術規範（二）鋼結構極限設計法規範及解說，營建雜誌 h. 鋼結構設計—極限設計法與容許應力設計法，陳生金，科技圖書，2001 g.金文森，周綏平，段鍊，陳惠發，“鋼結構設計” 修訂版，ISBN978-957-655-446-9，科技圖書公司，2008年3月。	**Teaching Materials**	a. Class notesb. Steel Structures, Design and Behavior. 4th Edition, C.G. Salmon & J.E. Johnson, 1996. c. AISC, Manual of Steel Construction, 13th Edition, 2005. d. AISC, Manual of Steel Construction, Load and Resistance Factor Design.，3rd Edition，2001. e. AISC, Manual of Steel Construction, Allowable Stress Design，9th Edition ,1989.
成績評量方式	期中考 作業 期末考 學習態度	**Grading**	Mid-term Exam Homeworks Final Exams Learning Attitude
教師網頁			
教學內容	本課程呈現一系列簡單、明確而且合理廣泛的結構穩定理論，分別介紹AISC-ASD/LRFD(2005)之設計理念改變。這套理論是鋼結構行爲的基礎，也可應用於實際鋼結構分析與設計的問題。	**Syllabus**	This course presents a simple, concise, and reasonably comprehensive introduction to the theory of structural stability that are the basis for structural steel behavior and shows how they may be used in the analysis and design of practical steel structures.

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