朝陽科技大學 096學年度第1學期教學大綱
Cold-form Steel Design 冷軋型鋼結構設計

當期課號	7140	Course Number	7140
授課教師	潘吉齡	Instructor	PAN,CHI LING
中文課名	冷軋型鋼結構設計	Course Name	Cold-form Steel Design
開課單位	營建工程系碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程旨再介紹冷軋型鋼在建築與土木工程中之應用，並學習冷軋型鋼結構構材強度的分析與設計，同時對於目前輕構建築之設計方法進行瞭解與探討。	Objectives	This course is perpared to provide students with a better understanding of the analysis and design of the thin-walled, cold-formed steel structures that have been widely used in the building construction and other areas.
教材	1."Cold-Formed Steel Design", 3rd Edtion, Author: Wei-Wen Yu, John Wiley & Sons, INC. 2."冷軋型鋼構造建築物結構設計規範及解說"，營建雜誌社	Teaching Materials	1."Cold-Formed Steel Design", 3rd Edtion, Author: Wei-Wen Yu, John Wiley & Sons, INC. 2."冷軋型鋼構造建築物結構設計規範及解說"，營建雜誌社
成績評量方式	1.midterm exam.-30% 2.final exam.-30% 3.homework and project report-40%	Grading	1.mid-erm exam.-30% 2.final exam.-30% 3.homework and project report-40%
教師網頁			
教學內容	Elastic behavior of members, Local buckling and postbuckling strength of members, Flexural members (beams), Axial loading members (columns), Beam-columns, Tension members, and Connections.	Syllabus	Elastic behavior of members, Local buckling and postbuckling strength of members, Flexural members (beams), Axial loading members (columns), Beam-columns, Tension members, and Connections.

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