朝陽科技大學 092學年度第2學期教學大綱
High-rise Building Design 高層建築設計

當期課號	1122	Course Number	1122
授課教師	鄭茂川	Instructor	CHENG,MAO CHUAN
中文課名	高層建築設計	Course Name	High-rise Building Design
開課單位	建築系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	高樓建築設計，包括結構概念與系統的選定，構件內力簡易計算、桿件與節點構造措施等三部份內容。就結構系統的構件組成、結構特徵、力學特性、抗推勁度、變形性質、耐震性能適用範圍以及設計要點、高樓基礎設計，作重點解述，並列舉出典型實例。	Objectives	High-rise building design included structural systems and space arrangement. Through projects introduction and analysis, students can understand the building behavior and design points.
教材	課堂講授（投影教學） 個案研討	Teaching Materials	
成績評量方式	平時成績25% 期中成績35% 期末成績40%	Grading	ORDINARY 25% TERM-TEST 35% FINAL-TEST 40%
教師網頁			
教學內容	高樓建築設計，包括結構概念與系統的選定，構件內力簡易計算、桿件與節點構造措施等三部份內容。就結構系統的構件組成、結構特徵、力學特性、抗推勁度、變形性質、耐震性能適用範圍以及設計要點，高樓基礎設計，作重點解述，並列舉出典型實例。	Syllabus	1.High-Rise Building Design 2.The contents of this course analyze the factors of influence on architectural structure. Besides, the vector-active structural system, the bulk-active structural system, the surface-active structural system, the form-active structural system and the high-rise building structure are also included. Further more, the characteristics, the principles of mechanics and the destruction-reinforcement mode are studied in each of the systems mentioned above. Again, we hope to use some elaborately designed examples of high-rise building, long-span, and special architecture case studies for analysis, students are expected to be able to use these knowledge as professional architects to communicate with professional structural engineer in this field. Even, an architecture student being a professional structure student being a professional structural engineer in the future is also possible.

尊重智慧財產權，請勿非法影印。