朝陽科技大學 098學年度第1學期教學大綱
Design of Excavation Foundation 深開挖與基礎設計

當期課號	1695	Course Number	1695
授課教師	林炳森	Instructor	Lin,Ping Sien
中文課名	深開挖與基礎設計	Course Name	Design of Excavation Foundation
開課單位	營建工程系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	學生修完此課程對深開挖基礎有基本實務設計技術，包括擋土壁、支撐、筏基、樁基之計算能力; 主要內容包括1.深開挖之破壞案例 2.擋土壁之設計 3.支撐之設計 4.地錨之設計 5.高層建築地下室筏基之設計 6.高層建築地下室樁基之設計。	Objectives	The objective of this course is to teach the students the design of deep excavation and foundation of tall building. Topic covered in this course including: case study on failures during deep excavation; design of retaining structures; design of bracing; design of anchors; raft foundation and deep foundation design.
教材	a. 高層建築基礎開挖施工法與設計實例, 林耀煌著, 長松出版社. b. 相關講義.	Teaching Materials	a.Text book b.Lectures
成績評量方式	平時 10%；作業 30%；期中末考 30%x2=60%	Grading	Attitude and attendance 10% Homework 30% Mid term exam 30% Final Exam 30%
教師網頁	_		
教學內容	課程內容包括: 高層建築地下室筏基之設計、高層建築地下室樁基之設計、深開挖擋土壁之設計、深開挖支撐之設計、深開挖地錨之設計、深開挖之破壞案例等.	Syllabus	The objective of this course is to teach the students the design of deep excavation and foundation of tall building. Topic covered in this course including: case study on failures during deep excavation; design of retaining structures; design of bracing; design of anchors; raft foundation and deep foundation design.

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