朝陽科技大學 099學年度第1學期教學大綱
Soil Mechanics in Engineering Practice 應用土壤力學

當期課號	1551	Course Number	1551
授課教師	林商裕	Instructor	LIN,SHANG YUH
中文課名	應用土壤力學	Course Name	Soil Mechanics in Engineering Practice
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	學生修完此課程對土壤力學之理論能更實務用；主要內容包括：1. 土壤力學理論之應用介紹. 2. 難以處理土壤上之基礎. 3.土壤改良的技術. 4. 加勁土擋土牆. 5. 土壤力學應用案例之探討	Objectives	The objective of this course is to teach the students the engineering practices of soil mechnacis. The outlines of this course are: Introduction of the application of soil mechanics. Problems of foundation in difficult soils. New techniques of soil improvement. Stability analysis of reinforced retaining wall. Case studies on the application of soil mechanics.
教材	1. 上課講義。 2. Das, B. M., 洪明瑞等譯, 基礎工程, 高立書局.	Teaching Materials	1.Princial of Foundation Engineering(by B. M. Das) 2.Notes
成績評量方式	作業報告30% 出席 10%；期中考 30%；期末考 30%	Grading	Homework, Report30% Attendence 10% Midterm 30% Final Exam 30%
教師網頁	http://www.cyut.edu.tw/~sylin		
教學內容	介紹大地工程有關問題土壤基礎、加勁擋土牆、土壤改良、案例探討等，讓學生有獨立設計相關大地工程施工之能力。	Syllabus	This is a second design course following the foundation engineering for geotechnical engineering. The course will cover foundation design on difficult soils, reinforced earth structures, soil improvement and ground modification, and case studies on the application of soil mechanics.

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