朝陽科技大學 096學年度第2學期教學大綱
Advanced Geotechnical Lab. 高等大地工程試驗

當期課號	7132	Course Number	7132
授課教師	賴俊仁	Instructor	LAI,JIUNN REN
中文課名	高等大地工程試驗	Course Name	Advanced Geotechnical Lab.
開課單位	營建工程系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	土壤爲工程材料的一種，針對工程分析設計之需要，學生需熟悉土壤之強度參數之取得方式。本課程之主要目的有三：1.使學生熟悉如何藉由三軸試驗求取土壤之總應力及有效應力強度參數；2.使學生瞭解各種土壤強度試驗儀器之設計原理及其優缺點；3.進行UU、CU及CD三軸試驗以印證土壤力學課程中所教導之有效應力理論。	Objectives	Knowledge of shearing properties of soils is essential in various courses in geotechnical engineering, and is clearly important in engineering practice. The objective of this course is to let the students understand the behaviors of soils during shear. Students will develop skills in obtaining the shearing properties of soils using various testing apparatus.
教材	The Measurement of Soil Properties in the Triaxial Test	Teaching Materials	The Measurement of Soil Properties in the Triaxial Test
成績評量方式	attendance 10% quiz 15% report 30% exam 45%	Grading	attendance 10% quiz 15% report 30% exam 45%
教師網頁	http://www.cyut.edu.tw/~jrlai		
教學內容	土壤之剪力行爲, 無圍壓縮試驗, UU 三軸試驗, CU 三軸試驗, CD 三軸試驗.	Syllabus	Shearing behavior of soils Unconfined compression test, UU triaxial test, CU triaxial test, CD triaxial test.

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