朝陽科技大學 098學年度第1學期教學大綱
Soil Mechanics Lab. 土壤力學試驗

當期課號	1645	**Course Number**	1645
授課教師	蔡佩勳	**Instructor**	TSAI,PEI HSUN
中文課名	土壤力學試驗	**Course Name**	Soil Mechanics Lab.
開課單位	營建工程系(四日)二A	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	1	**Credits**	1
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，學生需熟悉土壤之物理、滲透、以及力學等各種性質。故本課程之主要目的乃在使學生熟悉「土壤力學」課程中所提到的各項實驗方法、以及如何正確求得各種土壤參數，以作爲各種大地工程分析設計之參考。	**Objectives**	The main purpose of this course is to teach the students how to measure the properties of soils. This course starts with an introduction to methods of subsoil exploration. Additional topics covered in this course including: tests for the index properties of soils, compaction quality control tests of soils for engineering purposes, and tests to obtain the mechanical properties, such as hydraulic conductivity, compressibility and shearing strength of soils.
教材	土力學試驗, 洪如江著, 科技圖書股份有限公司	**Teaching Materials**	
成績評量方式	平時出席 10%, 實驗報告 40%, 期中考 25%, 期末考 25%	**Grading**	attendance 10%, lab. reports 40%, mid-term exam 25%, final exam 25%.
教師網頁			
教學內容	使學生熟悉「土壤力學」課程中所提到的各項實驗方法及土壤基本性質與土壤參數的求得。使學生印證土壤力學理論, 並複習土壤各指數參數與工程性質參數, 包括滲透,壓縮,強度等之影響因素。	**Syllabus**	The purpose of this course is to acquaint students with various tests that are fundamental to the practice of geotechnical engineering. Students will learn how to measure the properties of soil that control the classification, pemeability, compressibility, and shear strength of soil.

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