朝陽科技大學 091學年度第1學期教學大綱
Soil Mechanics 土壤力學

當期課號	1042	**Course Number**	1042
授課教師	許世宗	**Instructor**	HSU,SHIH TSUNG
中文課名	土壤力學	**Course Name**	Soil Mechanics
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	3	**Credits**	3
課程目標	土壤爲一種不均質的材料，本課程首先探討土壤的組成、種類與結構，繼而針對土壤的物理性質進行土壤分類，再探討土壤的滲透性、壓縮性與剪力強度等工程特性。	**Objectives**	Nature soil deposits are not homogeneous in nature. Soil mechanics is the fundamental subject of geotechnical engineering, and its applications to foundation analysis and design have been extensive during the 20th century. This course covers the properties of soil, such as its origin, grain-size distribution, ability to drain water, compressibility, shear strength and so on.
教材	課堂講解，配合作業及小考督促學習，藉由考試驗收成果。	**Teaching Materials**	class instruction, assignment and quiz, acceptance by exam.
成績評量方式	平時考二次：15% x 2 = 30% 期中考：25% 期末考：30% 作　業：15%	**Grading**	test:15*2=30% mid-term: 25% final exam: 30% home work: 15%
教師網頁	_		
教學內容	本課程首先探討土壤的組成、種類與結構，繼而針對土壤的物理性質進行土壤分類，再探討土壤的滲透性、有效應力與壓縮性等工程特性。	**Syllabus**	The course of soil mechanics includes soil aggregate, structure, soil classification, seepage, effective stress, and compressibility of soil.

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