朝陽科技大學 095學年度第2學期教學大綱
Soil Mechanics 土壤力學

當期課號	3355	**Course Number**	3355
授課教師	蔡佩勳	**Instructor**	TSAI,PEI HSUN
中文課名	土壤力學	**Course Name**	Soil Mechanics
開課單位	營建工程系(二進)三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	大地工程原理 Braja M. Das	**Teaching Materials**	Braja M. Das, Principles of Geotechnical Engineering
成績評量方式	期中考與期末考 (2 ×20% + 25%) 作業 (15%) 平常成績(出缺席)(20%)	**Grading**	mid-term and final exam (2 ×20% + 25%) homework (15%) Attendance (20%)
教師網頁	_		
教學內容	本課程土壤力學之基本介紹，包括土壤粒徑、分類、滲流、有效應力、壓密及剪力強度及與工程上之應用。	**Syllabus**	The course of soil mechanics includes soil aggregate, structure, soil classification, seepage, effective stress, compressibility, and shear strength of soil.