朝陽科技大學 096學年度第1學期教學大綱
Constitutive Model for Geotechnical Materials 土壤組成模式

當期課號	7139	Course Number	7139
授課教師	許世宗	Instructor	HSU,SHIH TSUNG
中文課名	土壤組成模式	Course Name	Constitutive Model for Geotechnical Materials
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	土壤組成模式係一般土壤力學之延伸，本課程之重點在讓學生對土壤應力-應變行爲模式有更進一步瞭解與認識，對於學生在大地工程之數值分析研究上有更進一步之幫助。內容包括：應力與應變張量、降伏準則、應力與應變關係、塑性理論和土壤模式。	Objectives	This course is the continuity of soil mechanics. The focus of this course is to promote student to understand the stress and strain behaviour of soil, and help student to study the numerical method of geotechnical engineering in futher. This course contains stress and strain tensor, yield criteria, relation of stress and strain, theory of plasticity, and soil model.
教材	1.講義與投影片 2.作業	Teaching Materials	1.Handouts and Transparency film. 2.Homework
成績評量方式	1.期中考 (30%) 2.期末考 (40%) 3.作業 (15%) 4.期末報告(15%)	Grading	1. Midterm (30%) 2. Final (40%) 3. Homework (15%) 4. Term Paper (15%)
教師網頁	http://www.cyut.edu.tw/~sthsu		
教學內容	單軸塑性行爲 應力與應變張量 降伏準則 土壤組合律	Syllabus	Uniaxial behavior in plasticity Stress tensor and strain tensor Yielding criterion Theory of plasticity Constitutive equations for soil materials

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