

朝陽科技大學 099學年度第2學期教學大綱
Slope Stability and Ground Anchors in Engineering 邊坡穩定與地錨工程

當期課號	7156	Course Number	7156
授課教師	許世宗	Instructor	HSU,SHIH TSUNG
中文課名	邊坡穩定與地錨工程	Course Name	Slope Stability and Ground Anchors in Engineering
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	本課程之重點在於讓研究所學生瞭解土壓力之計算，如何設計擋土構造物，進行邊坡穩定分析。另一方面本課程的重點則是教導學生瞭解地錨之構造、設計、施工、試驗以及防蝕保護。	Objectives	The aim of this course is to instruct students to understand the earth pressure, to design the retained wall, and to analyze the slope stability. Furthermore, another focal point of this subject is to instruct students to understand the structure, design, construction, erosion protection and field tests of anchors.
教材	1、教師自行撰寫的講義 2、中國土木水利工程學會(2001),「地錨設計與施工準則暨解說」,第3版,科技圖書。	Teaching Materials	1.Handouts 2.CICHE (2001)"The Criteria of anchors designed and constructed." 3rd edition, Science and Technology book company.
成績評量方式	期中考(35%),期末考(40%) 指定作業(15%) 期末報告(10%)	Grading	Mid-term (35%), Final (40%) Assignments(15%) Final report (10%)
教師網頁	http://lms.cit.cyut.edu.tw/1996028		
教學內容	1、土壤剪力強度 2、土壓力分析 3、擋土構造設計 4、邊坡穩定分析 5、地錨構造與設計 6、地錨試驗與施工	Syllabus	1. Shear Strength of soils 2. Earth pressure 3. Design of retained walls 4. Analyses of slope stability 5. Introduction and design of earth anchors 6. Construction and test of ground anchors

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