

朝陽科技大學 098學年度第1學期教學大綱  
Special Topics in Geotechnical Engineering 大地工程技術導論

當期課號	7635	Course Number	7635
授課教師	賴俊仁	Instructor	LAI,JIUNN REN
中文課名	大地工程技術導論	Course Name	Special Topics in Geotechnical Engineering
開課單位	營建工程系碩士在職專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程乃為研究所在職專班所開設，故偏重於探討各種施工技術在大地工程實務上之應用，其主要內容是有關於基礎工程，邊坡穩定，地盤改良，隧道工程，堤壩工程等方面之成功與失敗之案例探討。	Objectives	This course is specially designed for graduate students who has at least ten years of working experience related to civil engineering. The focus of this course is on the application of geotechnical principles to general engineering practices. Topics covered in this course include: case study on the failure or successfulness of slope stability, foundation engineering, ground improvement, tunnel engineering, earth dam engineering, etc.
教材	課堂講義	Teaching Materials	Class Notes
成績評量方式	平時：15%；作業：25%；考試：60%	Grading	Attendance：15%；Homework：25%；Exam：60%
教師網頁	<a href="http://www.cyut.edu.tw/~jrlai/CE8331/ce8331.htm">http://www.cyut.edu.tw/~jrlai/CE8331/ce8331.htm</a>		
教學內容	1. 工程地質及其應用 2. 土壤力學及其應用 3. 基礎工程及其應用	Syllabus	1. Engineering Geology and its application 2. Soil Mechanics and its application 3. Foundation Engineering and its application

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