

朝陽科技大學 091學年度第2學期教學大綱  
Special Topics in Geotechnical Engineering 大地工程技術導論

當期課號	7514	Course Number	7514
授課教師	林喬裕	Instructor	LIN,SHANG YUH
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二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	1.課堂講授. 2.習題寫作. 3.討論與報告.	Teaching Materials	1.Lectures 2.Assignment 3.Discussion & Report
成績評量方式	作業成績3-4次(20%) 其中考20% 期末考30% 期末報告20% 學習態度及出席情況10%	Grading	Assignment 3-4times (20%) Mid Term Exam 20% Final Exam 30% Final Report 20% Study Attitude 10%
教師網頁	-		
教學內容	1.震動波理論與實用 2.大地地震工程 3.震動衰減與隔絕 4.特殊基礎 5.深基礎工程	Syllabus	1. Sesimic Wave Theory & Application 2. Geotechnical Earthquake Engineering 3. Seismic Isolation 4. Special Foundation 5. Deep Foundation

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