

朝陽科技大學 093學年度第1學期教學大綱
Earth Dam Engineering 堤壩工程

當期課號	7046	Course Number	7046
授課教師	林喬裕	Instructor	LIN,SHANG YUH
中文課名	堤壩工程	Course Name	Earth Dam Engineering
開課單位	營建工程系碩士班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	利用繪圖及數值方法來解水經堤壩土壤中之滲流與不同滲透係數之問題，土石堤壩之工址調查、規劃、設計、分析、施工與夯實及維持，土石堤壩之改良，土石堤壩之穩定及案例分析。	Objectives	Principles of water flow in soils, hydraulic conductivity and numerical techniques for solving seepage problems are covered in this course. Coverage of earth dams includes preparation and treatment of foundations, selection and design of embankment cross-sections, to compute both seepage and stress/deformation patterns for a typical earth dam.
教材	1. 課堂講義	Teaching Materials	
成績評量方式	1.作業與報告20% 2.討論20%(含平常分數) 3.期中考30% 4.期末考30%	Grading	1.Assignment & Report 20% 2.Discussion 20% 3.Mid-Term Exam 30% 4.Final Exam 30%
教師網頁	-		
教學內容	1. 概論 2. 路堤及河堤設計 3. 土壩及土石流壩設計	Syllabus	1. Introduction 2. Embankment & Dike Design 3. Earth Dam & Debris Dam Design

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