朝陽科技大學 092學年度第2學期教學大綱
Conservation of Water and Soil 水土保持工程

當期課號	1052	Course Number	1052
授課教師	林基源	Instructor	LIN,JI YUAN
中文課名	水土保持工程	Course Name	Conservation of Water and Soil
開課單位	營建工程系(四日)三A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	課程內容分爲九章節，包含緒論、土壤沖蝕原理、土壤沖蝕機制、土壤沖蝕量推估、土壤沖蝕防治、野溪治理、崩塌與邊坡穩定、土石流治理、山坡地管理。經由課程之教學使學生瞭解其機制，進一步瞭解土壤沖蝕控制之重要性，並詳細解說各項防治工法，以降低坡地災害發生，達到維護環境及永續自然資源保育。	Objectives	Contents of course is divided in 9 chapters which including introduction,principal of soil erosion,mechmics of erosion,estimating of soil erosion,practics of soil control,torrent control,landslide and treatment,debrise flow prevention and control,management of slopland utilization.Through teaching program,soil erosion meachnics and practics methods are need to learn in order to operate in work field.
教材	課堂講解，配合小考督促學習，藉由考試驗收成果。	Teaching Materials	1. Illustrations 2. Ordinarily examination 3. Middle term and final examinations
成績評量方式	1.一次期中考、一次期末考：30分 x 2 = 60分 2.作業若干次：15分 3.期末報告：15分 3.平時成績：-20分～+10分 （含出席、課本與筆記書寫內容、課堂表現、問題提問、特殊事蹟.....等）	Grading	1.Middle term exams, final exam：30% x 2 = 60% 2.Homework：15% 3.Final report：15% 3.Ordinarily achievement：-20%～+10% （含出席、課本與筆記書寫內容、課堂表現、問題提問、特殊事蹟.....等）
教師網頁			
教學內容	本課程在於使學生瞭解水土保持工程之意義，並探討有關坡地災害、土砂災害與洪水災害原理，提供有效之工程防治對策。	Syllabus	Mechanics of materials is a basic engineering subject that must be understood by anyone concerned with the strength and physical performance of structure, whether those structures are man-made or natural. The subject matter includes such fundamental concepts as stresses and strains, deformations and displacements, elasticity and inelasticity, strain energy, and load-carrying capacity. These are the concepts that underlie the design and analysis of a huge variety of mechanical and structural systems.

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