

朝陽科技大學 099學年度第2學期教學大綱
Debris Disaster and Its Prevention 土石流災害與防治

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| 當期課號 | 7160 | Course Number | 7160 |
| 授課教師 | 林基源 | Instructor | LIN,JI YUAN |
| 中文課名 | 土石流災害與防治 | Course Name | Debris Disaster and Its Prevention |
| 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 | 本課程重點在於使同學認識土石流災害與土石流防治，主要授課內容包括土石流災害與地質環境、中部地區土石流災害介紹、土石流研究現況及研究方法介紹、土石流防治工程之規劃設計、土石流防災疏散避難規劃與災害應變、災害防救體系介紹等。 | Objectives | The objective of this course is to teach students the fundamental principles and the hazard mitigations of debris flows. Topics covered including: principles of debris flow; historical disasters in Taiwan; researches and evaluation methods in this field; hazard mitigations by works; evacuating and emergency systems of debris flows. |
| 教材 | 1.詹錢登 (2000), "土石流概論", 科技圖書股份有限公司 2.其他中英文paper 3.補充資料 | Teaching Materials | Please refer the chinese teaching materials. |
| 成績評量方式 | 1. 期中考與期末考 (25*2=50分) 2. 課後習題與出席情形 (25分) 3. 分組野外踏勘與期末報告 (上台與書面報告, 25分) | Grading | 1. Present and Homeworks (25%) 2. Final report(25%) 3. Middle term and final examinations (25% × 2= 50%) |
| 教師網頁 | - | | |
| 教學內容 | 土石流災害與地質環境、中部地區土石流災害介紹、土石流研究現況及研究方法介紹、土石流防治工程之規劃設計、土石流防災疏散避難規劃與災害應變、災害防救體系介紹等 | Syllabus | principles of debris flow; historical disasters in Taiwan; researches and evaluation methods in this field; hazard mitigations by works; evacuating and emergency systems of debris flows. |

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