

朝陽科技大學 097學年度第1學期教學大綱
Construction Engineering and Environment 營建與環境

當期課號	1634	Course Number	1634
授課教師	金文森	Instructor	KING,WON SUN
中文課名	營建與環境	Course Name	Construction Engineering and Environment
開課單位	營建工程系(四日)二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程對學生灌輸正確的環境保護知識，以減輕營造開發對環境的破壞，達成「永續發展」的目標。本課程重點包括工程開發對生態造成的影響，環境問題與社會的關係。本課程擬介紹環境影響評估，交通、水資源、大地及海洋工程建設對環境的影響，工程污染的預防措施，環境保護相關法規。	Objectives	In order to reduce the destruction of environment and reach the goal of sustainable development, the objective of this course is to let students understand what environment protection is. Topics about the effect of construction on ecology and the relation between environmental problems and society are covered in this course. Environmental impact statement, effects of transportation, water resource, geotechnical and ocean engineering on environment will be introduced. Preventive means for engineering pollution and laws for environmental protection will be discussed.
教材	環境管理概論,作者：陳王琨,高立圖書公司,94年8月10日, I S B N : 957-584-921-3	Teaching Materials	
成績評量方式	期中考(30%) 期末考(30%) 學習態度(20%) 報告(20%)	Grading	Mid-term Exam.(30%) Final Exam.(30%) Learning Attitudes.(20%) Report(30%)
教師網頁	-		
教學內容	1.緒論 2.環境生態概論 3.環境問題 4.環境品質與法規 5.環境影響評估 6.交通運輸與環境 7.土地開發與環境 8.水資源開發與環境 9.海洋工程與環境 10.大地工程與環境 11.營建工程之環境問題 12.生態工程	Syllabus	1.introduction 2.ecological environment 3.environment problems 4.environment quality and laws 5.environmental impact statement 6.transportation and environment 7.land development and environment 8.water resources development and environment 9.ocean engineering and environment 10.geotechnical engineering and environment 11.environment problems of construction 12.ecological engineering

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