朝陽科技大學 093學年度第1學期教學大綱
Environmental Science 環境科學

當期課號	2004	Course Number	2004
授課教師	劉敏信	Instructor	LIU,MIN HSIN
中文課名	環境科學	Course Name	Environmental Science
開課單位	環境工程與管理系(四日)一A	Department	
修習別	選修	Required/Elective	Elective
學分數	2	Credits	2
課程目標	透過本課程，讓學生瞭解環境複雜問題的科學基礎與所面對的困難之妥協問題，廣泛基礎的環境科學課程可教導不同領域的學生認識科學與社會議題的極佳方法，引導學生學習如何收集和分析有用的資訊，及如何嚴謹思考複雜的議題，促使學生在環境科學基本原理上建立堅強的基礎，培養對環境領域研究之興趣。	Objectives	The objective of this course is to provide the students to understand the fundamental issues in environmental science. The course addresses what the environmental problems are, how these problems impact the environment, and the means society has chosen to deal with these problems. The topics include the basic concept of environmental science, air pollution, the climate issue and the dissipation of air pollutant, air pollution control, water pollution, growth mathematics, solid waste, hazard waste and radiation, risk analysis, soil and groundwater pollution and control, noise pollution and control, and environmental impact assessment.
教材	林郁欽 等人，「環境科學概論」，高立圖書公司，90年，ISBN 957-584-430-0。 參考書籍： 杜秋慧 等人共譯，「環境科學概論」，高立圖書公司，89年，ISBN 957-584-320-7。	Teaching Materials	
成績評量方式	1.出席 10%。 2. 期中考40%。 3. 期末考50%	Grading	1. Class participation 10%; 2. Mid-term Examination 40%; 3. Final examination 50%
教師網頁	_		
教學內容	環境科學基本概念，空氣污染，氣象與空氣污染物之擴散，空氣污染控制，水污染，成長數學模式，固體廢棄物，有害及放射性廢棄物，風險分析，土壤及地下水污染與防治，噪音污染與控制，環境影響評估。	Syllabus	The objective of this course is to provide the freshman students to understand the fundamental issues in environmental science. The course addresses what the environmental problems are, how these problems impact the environment, and the means society has chosen to deal with these problems.

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