朝陽科技大學 096學年度第2學期教學大綱
Treatment and Design for Hazardous Waste 有害廢棄物處理與設計

當期課號	1674	Course Number	1674
授課教師	劉敏信	Instructor	LIU,MIN HSIN
中文課名	有害廢棄物處理與設計	Course Name	Treatment and Design for Hazardous Waste
開課單位	環境工程與管理系(四日)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	透過本課程，讓學生瞭解有害廢棄物的定義與辨識方法，而且學習有害廢棄物處理技術方法與處理單元的設計技能，瞭解有害廢棄物污染環境(土壤及地下水)之機制與污染監測技術，提供學生瞭解土壤及地下水污染整治技術。本課程將探討有害廢棄物之定義、組成及性質，收集及清運，貯存及處理，焚化處理技術，掩埋處置技術，固化處理技術，危害物質（廢棄物）外洩控制技術，土壤及地下水污染機制（法規），採樣與分析方法，污染整治技術概論。	Objectives	The objective of this course is to provide students to understand the management skill and treatment technology for hazardous waste. The subjects of the course will include: the definition of hazardous waste; Waste composition and property; collection and transportation; storage and treatment; incineration treatment; landfill disposal; solidification; waste spill control technology; soil and groundwater pollution mechanism(regulation); soil and groundwater sampling and analytical methods; pollution control technology.
教材	張漢昌，有害廢棄物污染防治，新文京開發出版公司，2003。 蔡嘉一，有害廢棄物管理與減廢概論，第二版，歐亞書局，1995。 3.LaGrega, M.D., et al., “Hazardous Waste Management”, McGraw-Hill International Ed., 1994.	Teaching Materials	1.LaGrega, M.D., et al., “Hazardous Waste Management”, McGraw-Hill International Ed., 1994.
成績評量方式	平常考（2次）40%，期中考30%，期末考30%。	Grading	Two quizzes 40%, Mid-term examination 30%, Final examination 30%.
教師網頁			
教學內容	有害廢棄物之定義、組成及性質，收集及清運，貯存及處理，焚化處理技術，掩埋處置技術，固化處理技術，危害物質（廢棄物）外洩控制技術，土壤及地下水污染機制（法規），採樣與分析方法，污染整治技術概論。	Syllabus	The subjects of the course will include: the definition of hazardous waste; Waste composition and property; collection and transportation; storage and treatment; incineration treatment; landfill disposal; solidification; waste spill control technology; soil and groundwater pollution mechanism(regulation); soil and groundwater sampling and analytical methods; pollution control technology.

尊重智慧財產權，請勿非法影印。