朝陽科技大學 093學年度第1學期教學大綱
Solid Waste Management 固體廢棄物管理

當期課號	2041	Course Number	2041
授課教師	劉敏信	Instructor	LIU,MIN HSIN
中文課名	固體廢棄物管理	Course Name	Solid Waste Management
開課單位	環境工程與管理系(四日)三A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	透過本課程，讓學生瞭解固體廢棄物基本特性與處理現況，藉由廢棄物處理問題的特性，研討廢棄物處理技術及管理範疇，並藉以瞭解廢物減量及資源化的知識。本課程主要包括：廢棄物之定義，廢棄物清理法、資源回收再利用法之探討，固體廢棄物來源、型式、組成及性質，收集及清運，廢棄物分類、前處理（資源回收及再利用與減廢技術）、貯存及處理，焚化處理技術，掩埋處置技術，固化處理技術，生化處理技術，有害廢棄物清理與管理。	Objectives	The objective of this course is to provide students to understand the solid waste management issues. The subjects of the course will include: the definition of solid waste; Introduction to Waste Treatment and Disposal Act, and Resource Recovery and Reuse Regulation; Waste source and property; collection and transportation; pretreatment (resource recovery and reuse, waste minimization); storage and treatment; incineration treatment; landfill disposal; solidification; biotreatment; hazardous waste engineering and management.
教材	Georage Tchobanoglous, Hilary Theisen and Samuel A. Vigil. "Integrated Solid Waste Management: Engineering Principles and Management Issues." The McGraw-Hill Companies, Inc. 1993. 參考書籍： 1. 謝錦松及黃正義，「固體廢棄物處理」，修訂五版，高立圖書公司，90年。 2. P. Aarne Vesilind, et al. “Solid Waste Engineering”. Brooks/Cole. 2002.	Teaching Materials	
成績評量方式	出席率10%，報告成績15%，平常考10%，期中考30%，期末考35%。	Grading	Class participation 10%, literature review and report preparation 15%, quiz 10%, mid-term examination 30%, final examination 35%.
教師網頁			
教學內容	廢棄物之定義，廢棄物清理法、資源回收再利用法之探討，固體廢棄物來源、型式、組成及性質，收集及清運，廢棄物分類、前處理（資源回收及再利用與減廢技術）、貯存及處理，焚化處理技術，掩埋處置技術，固化處理技術，生化處理技術，有害廢棄物清理與管理。	Syllabus	The subjects of the course will include: the definition of solid waste; Introduction to Waste Treatment and Disposal Act, and Resource Recovery and Reuse Regulation; Waste source and property; collection and transportation; pretreatment (resource recovery and reuse, waste minimization); storage and treatment; incineration treatment; landfill disposal; solidification; biotreatment; hazardous waste engineering and management.

尊重智慧財產權，請勿非法影印。