朝陽科技大學 091學年度第2學期教學大綱
Solid Waste Management 固體廢棄物管理

當期課號	2510	Course Number	2510
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	利用英文教材爲基礎，佐以中英文參考書籍，以課堂討論處理處置技術與管理方法爲基礎，並讓學生選擇特定技術或方法製作報告及簡報，相互學習交流，能更廣泛瞭解固體廢棄物整體之管理方式。	Teaching Materials	An English textbook will be used with the other two textbooks as reference. Classroom teaching and discussion will be conducted in the course. The students will be asked to perform literature review, report preparation and presentation for specific topics.
成績評量方式	出席率10%，報告成績25%，期中考30%，期末考35%。	Grading	Class participation 10%, Literature review and report preparation 25%, mid-term examination 30%, final examination 35%.
教師網頁			
教學內容	固體廢棄物之定義，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。