# 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

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| 當期課號 | 2051 | Course Number | 2051 |
| 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B | 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。