

朝陽科技大學 092學年度第2學期教學大綱  
Advance Solid Waste Treatment 固體廢棄物處理特論

當期課號	7236	Course Number	7236
授課教師	劉敏信	Instructor	LIU,MIN HSIN
中文課名	固體廢棄物處理特論	Course Name	Advance Solid Waste Treatment
開課單位	環境工程與管理系碩士班一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，危害性廢棄物外洩控制技術，污染場址潛勢及風險評估方法，場址污染整治技術。	Objectives	The objective of this course is to provide students to understand the solid waste treatment technology. The subjects of the course will include: the definition of solid waste, waste treatment and disposal regulation, waste source and property, collection and transportation, pretreatment (resource recovery), storage and treatment, incineration, landfill, solidification, biotreatment, hazardous waste management, hazardous material spill control technology.
教材	利用英文教材為基礎，佐以中英文參考書籍，以課堂討論固體廢棄物處理處置技術與管理方法，課堂將著重讓學生個別選擇特定技術製作報告及簡報討論，相互學習交流，能更廣泛瞭解固體廢棄物之處理技術。	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	報告成績50%，期中考20%，期末考30%。	Grading	Literature review and report preparation 50%, mid-term examination 20%, final examination 30%.
教師網頁	-		
教學內容	固體廢棄物之定義與清運法規，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，危害物質（廢棄物）外洩控制技術。	Syllabus	The subjects of the course will include: the definition of solid waste, waste treatment and disposal regulation, waste source and property, collection and transportation, pretreatment (resource recovery), storage and treatment, incineration, landfill, solidification, biotreatment, hazardous waste management, hazardous material spill control technology.

尊重智慧財產權，請勿非法影印。