

朝陽科技大學 092學年度第1學期教學大綱
Advance Solid Waste Management 固體廢棄物管理特論

當期課號	7752	Course Number	7752
授課教師	劉敏信	Instructor	LIU,MIN HSIN
中文課名	固體廢棄物管理特論	Course Name	Advance Solid Waste Management
開課單位	環境工程與管理系碩士在職專班二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程主要包括：固體廢棄物之定義與清辦法規，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，污染場址監測、控制及整治技術。	Objectives	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, contaminated site monitoring, control and remediation 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區域範圍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%，報告討論成績40%，期中考20%，期末考30%。	Grading	Class participation 10%, Literature review, report preparation and discussion 40%, 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辦法規，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。