

Waste Engineering and Management 有害廢棄物工程及管理

Serial Number	30002
Course Code	SDA015-*
Instructor	Dr. Wan-Li Liao 廖萬里
Course Name	有害廢棄物工程及管理
Course Name(English)	Waste Engineering and Management
Credit	3
Teaching goal	The course provides students the concepts and knowledge of core technical and administrative dimensions in waste minimization, and the skills relevant to the diagnosis and solutions of key problems in waste management.
Teaching content	This course will provide the knowledge of waste generation, separation for recycling, collection, treatment, and final disposal, and introduce the waste control approach with environmental legislation and policy interventions.
Textbooks/References	George Tchobanoglous, Hilary Theisen, and Samuel Vigil, "Integrated solid waste management: Engineering principles and management issues", McGraw-Hill, Inc., New York, USA, 1993.
Way of Instruction	Lecture Individual Instruction
Grading	Homework (20%), Mid-term exam (35%), and Final exam (45%)
Office Hour	By appointment

Core Competencies of Department	Rating	Corresponding Assessments
Global vision 國際視野	(4) High	Assignments , Presentation/Oral Exam
Environmental sustainability 環境永續	(5) Very High	Test/Exam , Presentation/Oral Exam

Professional knowledge 專業知識	(5) Very High	Test/Exam , Presentation/Oral Exam
Expressiveness & teamwork	(4) High	Attendance/Performance , Others