

Environmental Engineering Economics 環境工程經濟

Serial Number	30002
Course Code	SDA003-*
Instructor	Dr. Wan-Li Liao 廖萬里
Course Name	環境工程經濟
Course Name(English)	Environmental Engineering Economics
Credit	3
Teaching goal	Assess the economic important of environmental degradation, and analyze economic incentive to slow, halt and reverse that degradation.
Teaching content	<p>Topics of Everyweek</p> <p>1 INTRODUCTION OF ENVIRONMENTAL ECONOMICS</p> <p>2 THE ECONOMY AND THE ENVIRONMENT</p> <p>3 THE BASIC TOOLS OF ECONOMICS ANALYSIS</p> <p>4 THE BASIC TOOLS OF ECONOMICS ANALYSIS</p> <p>5 BENEFITS AND COSTS, SUPPLY AND DEMAND</p> <p>6 ECONOMIC EFFICIENCY AND MARKETS</p> <p>7 THE ECONOMICS OF ENVIRONMENTAL QUALITY</p> <p>8 FRAMEWORKS OF ANALYSIS</p> <p>9 Mid-Term Exam</p> <p>10 BENEFIT-COST ANALYSIS</p> <p>11 BENEFIT-COST ANALYSIS</p> <p>12 ENVIRONMENTAL POLICY ANALYSIS</p> <p>13 ENVIRONMENTAL POLICY ANALYSIS</p> <p>14 ENVIRONMENTAL ECONOMICS IN ACTION</p> <p>15 ENVIRONMENTAL ECONOMICS IN ACTION</p> <p>16 INTERNATIONAL ISSUES OF ENVIRONMENTAL PROBLEMS</p> <p>17 THE GLOBAL ENVIRONMENT</p> <p>18 Final Exam</p>
Textbooks/References	Barry C. Field & Martha K. Field, ENVIRONMENTAL ECONOMICS — An International 3rd edition, McGraw-Hill Irwin, 2002.
Way of Instruction	Lecture

Grading	Homework and Reports	
Office Hour	TBA	
Core Competencies of Department	Rating	Corresponding Assessments
Global vision 國際視野	(5) Very High	Test/Exam , Assignments , Research Report(printed on paper)
Environmental sustainability 環境永續	(4) High	Test/Exam , Assignments
Professional knowledge 專業知識	(4) High	Test/Exam , Assignments
Expressiveness & teamwork 語文表達 與團隊合作	(4) High	Presentation/Oral Exam , Research Report(printed on paper)