

Syllabus

College of Environmental Studies, National Dong Hwa University

國立東華大學環境學院課程綱要

中文科目名稱 Title in Chinese	NRES_71170 環境政策特論				
英文科目名稱 Title in English	NRES_71170 Advanced Environmental Policy				
科目代碼				班別	
修別	選修 selective	學分數 credit	3	時數 hour	3
Instructors Dr. Ming-Chien Su (mcsu@gms.ndhu.edu.tw, 03-890-3331)					
Course Description & Objectives : This course introduces students to the concepts involved in addressing environmental policy issues at local, national, and international scales. Specific topics include Environmental Governance Strategy, and tools. We will study aspects of environmental regulation, life cycle assessment application for policy making. Providing students an introduction to key concepts related to environmental policy design and implementation as well as environmental program evaluation. The concept of "Cradle to Cradle" is applied to understand the structure of the LCA. The tools and methods of LCA will be practiced in many different exercises. Cases in the real world will be used in the class to learn the application to analyze materials, products, and services from materials acquisition through end-of-life. Studying theory to illustrate aspects of the environmental policy development process, giving case studies to learning various theories, and giving students opportunities to practice what they learned in the course to develop their research interests.					
Course Format: Weekly classes will include lectures based upon but not restricted to the required and suggested readings, in-class discussions, group studies, and presentations.					
Topics: 2. Paths to a Green World, Dr. Ming-Chien Su (蘇銘千教授)					
Reading assignments Reading Packages are available on e-learning					
Grade Participation, Course activities (25%) Term Paper (45%) Presentation (30%)					

2024 Spring Syllabus of Special Topic on Environmental Governance

Week	Date	Syllabus	Reminder
1	02/21	Introduction Environmental Policy	

2	02/28	Memorial Day (NO Class)	
3	03/06	Environmental Governance: Concepts and Institutions	
4	03/13	Climate governance, a transition to carbon neutrality	
5	03/20	Overview of the LCA	
6	03/27	Goal & Scope NOTE: LCA goal_scope-GECOS.pptx LCA-Bert Bras.pptx,	Suspension of class
7	04/03	Development of the LCA Concept	
8	04/10	The Challenge of Life Cycle Assessment: Methodology	Spring break
9	04/17	Case Study Discussion: LCA theory and Research Problem	
10	04/24	Life cycle inventory analysis (LCI)	
11	05/01	Case Study Discussion: LCI theory and Data Collection	
12	05/08	Case Study Discussion: Carbon Footprint by Simapro 9.2	
13	05/15	Design Case Study Project	
14	05/22	Case Study Practice I	
15	05/29	Case Study Practice II	
16	06/05	Case Study Practice III	
17	06/12	Term Paper & Oral Presentation: Case Study	
18	06/19	Alternative: Field Survey Lanyu Island (April 18~21)	

***Course Instruction:**

1. Case Study Discussion: Review & Critical Responses

Each group will prepare one critical response (3-pages report (single spacing, 12 font)) to each course theme. Each response paper will begin with identifying, defining, and elaborating an analytic concept or knowledge shared by the readings in each section. Follow up, and it will then offer the application of the identified concept to an example of environmental policy already covered by that week's readings. The response essays will be due one week after each section's end.

2. Term Paper & Presentation

- 3.** A 10-to-15-page term paper (1.5 spacing, 12 font) on a course-related topic is required. An Additional 20-minute presentation with 10 minutes of discussion is considered necessary. Full Paper & Revised presentation files are due one week after each section's end.

4. Late penalties

No due dates will be extended. Penalty for late work will be 5% of the assignment mark per day late, including weekends. The only exemption from this penalty will be for work that is late for health reasons.