



課 綱 Course Outline
自然資源與環境學系碩士班國際組

中文課程名稱 Course Name in Chinese	全球視野之永續環境與發展專論				
英文課程名稱 Course Name in English	Sustainable Environment & Development: A Global Perspective				
科目代碼 Course Code	NRESM0080	班 別 Degree	碩士班 Master' s		
修別 Type	選修 Elective	學分數 Credit(s)	3.0	時 數 Hour(s)	3.0
先修課程 Prerequisite					
課程目標 Course Objectives					
Economic development has not always taken credit of its potential impact on our society and environment. Environmental problems has raised big concerns by public. How do business make a plan to solve the potential problems and creating maximum benefits? This topic will be the hot issues for students to prepare themselves before they join the real world. The objectives of the course are to train students to learn the knowledge of the Environmental Management System and sustainable development for business. Courses are included Environmental law and strategic, risk management, science, ecosystem, Global Environment Outlook , implementing the ISO 14000, EMS, and Corporate social responsibility.					
系教育目標 Dept.'s Education Objectives					
1	培養兼具國際視野與本土關懷的學生 To develop students who care about local issues and have an international perspective.				
2	培養具備自然科學與社會科學知識的人才 To educate students to have knowledge of both the natural and social sciences.				
3	培養具備環境倫理與人文素養的環境公民 To teach students to be environmental citizens (i.e., knowledgeable about environmental ethics and human issues.).				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.' s Education Objectives	
A	能覺知多元的自然科學與社會科學理論並具備研究能力 To have knowledge of natural and social science theories.			●	

B	具備自然資源與人類社會議題之調查分析、規劃與經營之能力 To be able to investigate, analyze, plan, and manage both natural resource and human social issues.	●
C	具備將環境倫理與生態思想落實於永續性生活型態的能力 To implement sustainable lifestyles based on environmental ethics and ecological principles.	●
D	能以整全式的觀點來解析環境問題，並具備發展系統性解決方案的能力 To resolve environmental issues and develop systematic solutions with a global perspective.	●
E	具備系統分析、未來思考、溝通協調與團隊合作的能 The ability to analyze, plan, communicate, and coordinate with others (teamwork)	●
F	具備終身學習、國際視野與外語溝通的能力 To instill the values of lifelong learning, an international perspective, and the ability to communicate in a foreign language.	●

圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated

課程大綱 Course Outline	
1. Analysis and Managing Environmental Problems 2. World Summit on Sustainable Development 3. Environmental Management-Fundamentals and Goals 4. Standards, Monitoring, and Environmental Management System Sustainable Markets & Climate Change 5. Integrated Product Policy (IPP) 6. Directive on the eco-design requirements for energy using products (EuP) 7. Corporate social responsibility: Towards a Sustainable and Competitive Enterprise	
資源需求評估（師資專長之聘任、儀器設備的配合．．．等） Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)	
PC, Projector, Not book, Field trip.	
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods	
This course uses a “Learn-Think-Do” model. 1. Read the weekly assignment, handouts, notes and be prepared to discuss them in class. 2. You should submit your each assignment before the class, mostly a one page discussion of your reactions to the reading (not summaries, but critiques: reasoned argument is allowed). 3. Finally, at the end of the term, a term paper is due (7-10 pp). You are free to choose the subject related to our course.	
其他 Miscellaneous	
Grading Criteria Participation 20% Assignments 25% Midterm 15% Term Paper 25% Oral Presentation 15%	