



課 綱 Course Outline

自然資源與環境學系博士班

中文課程名稱 Course Name in Chinese	環境管理專題				
英文課程名稱 Course Name in English	Special Topics on Environmental Management				
科目代碼 Course Code	NRES71260	班 別 Degree	博士班 Ph. D.		
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					
The aims are to enable students to acquire: 1. Understand and critically discuss concerning topics and concepts a linked to environment, human well-being, and sustainable development. 2. Be able to learn and discuss how sustainable development can be applied on international, national, and local levels.					
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	具備自然科學與社會科學的研究能力，並了解各種研究典範所蘊含的哲學基礎與世界觀 To prepare the students with the ability to understand the natural and social science theories and paradigms				

B	具備環境倫理與整全的生態哲思，並有能力轉化為思想論述與社會實踐 To instill comprehensive consideration of environmental ethics, ecological principles and social practice	
C	具備跨領域知識之整合能力，並能運用多元的策略落實於社會改革，以解決本土與全球的環境問題 To implement sustainable lifestyles based on environmental ethics and ecological principles	
D	能整合生態及社會文化的觀點，以獨立或團體動力方式評估環境議題，澄清相關的價值觀，並提出解決方案 To implement ecological and social perspectives as an individual or in groups to evaluate, clarify, and provide solutions for relevant environmental issues	
E	具備在大學、政府、企業、第三部門或研究機構進行研究、教學、與社會關懷的能力 The ability to do research, teach and encourage social concern in universities, governments, companies, NGO' s or institutes	

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

課程大綱 Course Outline

Economic development has not always taken credit of its potential impact on our society and environment. Environmental problems have raised big concerns by public. This syllabus covers environmental issues and their management. Students are introduced to the global and national environmental issues and will examine the origins, scientific evidence, issues, policies, political and legal processes to achieving sustainable development. The interdisciplinary approach highlights the need for a balance between the environmental, economic and social dimensions of sustainable development through an analysis of the indicators, trends and changing patterns of consumption, production and distribution of resources. This topic will be the hot issues for students to prepare themselves before they join the real world. This course aims at exploring both theory and practice. This course uses a "Learn-Think-Do" model. To practice by: Weekly Reading Assignments, Assignments, term paper and oral presentation.

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.)

課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods

■ 課堂講授 Lecture ■ 分組討論 Group Discussion ■ 參觀實習 Field Trip

其他 Miscellaneous

■ 期中報告 Midterm Report: 20% ■ 期末報告 Final Report: 30%
■ 作業成績 Homework and/or Assignments: 20%
■ 出席率和參與討論 Participation and attendance 30%