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課 綱 Course Outline (碩士班)

中文課程名稱 Course Name in Chinese	資源再生管理與策略				
英文課程名稱 Course Name in English	Resource Conservation, Recovery and Management Strategy				
科目代碼 Course Code	ENVP54000	班 別 Degree	<input type="checkbox"/> 學士班 Bachelor's <input type="checkbox"/> 碩專班 Master's program <input checked="" type="checkbox"/> 碩士班 Master's <input type="checkbox"/> 博士班 Ph.D.		
修別 Type	<input type="checkbox"/> 必修 Required <input checked="" type="checkbox"/> 選修 Elective <input type="checkbox"/> 學程 Program	學分數 Credit(s)	3	時 數 Hour(s)	3
先修課程 Prerequisite					

課程目標 Course Objectives	The purpose of this course is to learn a variety of approaches to the knowledge of Resource Conservation, Recovery and Management in the twentieth century. We will learn how the Resource movement and Technology evolution which it has affected the human ecosystem. The other perspective is how the human being is conservation and recovering of natural resources and waste. The resources that we are learning will include water resource, energy resource, and waste management in this course.		
系教育目標 Dept.'s Education Objectives	培養兼具國際視野與本土關懷的學生	培養具備自然科學與社會科學知識的人才	培養具備環境倫理與人文素養的環境公民
課程目標與系教育目標 相關性 Correlation between Course Objectives and Dept.'s Education Objectives	●	●	◎
圖示說明 Illustration : ● 高度相關 Highly correlated ◎ 中度相關 Moderately correlated			

系專業(基本)能力 Basic Learning Outcomes	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 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 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 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 E.具備系統分析、未來思考、溝通協調與團隊合作的能力 F.具備終身學習、國際視野與外語溝通的能力					
課程目標與系專業能力 相關性 Correlation between Course Objectives and Basic Learning Outcomes	A	B	C	D	E	F
	●	◎	●	●	●	●
圖示說明 Illustration : ● 高度相關 Highly correlated ◎ 中度相關 Moderately correlated						

課程大綱 Course Outline This course is designed for graduate students those whom have interested to learn the association of resource conservation, recovery and management Strategy. This course will include the following content: 1. Natural Resource Management & Ecosystem Management 2. Consumer-Resource Dynamics 3. Ecology Footprint 4. Water Resources Management 5. Renewable Energy Resources 6. Sustainable Material Management
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. The content of your term paper should be included abstract, literature review, analyze the problems, discussions, suggestions and conclusions. You might even have ideas to work on your report and feel free to develop the interesting subject.

課程成績評定之依據和標準

Grading Criteria

Participation 20%

Assignments 25%

Midterm 15%

Term Paper 25%

Oral Presentation 15%

其他

Miscellaneous