

教學計畫表 Syllabus

中文課程名稱	環境管理專題			學年/學期 Academic Year/Semester	113-2
Course Name in English	Special Topics on Environmental Management			授課教師 Instructor	蘇銘千 Ming-Chien Su
科目代碼 Course Code		系級 Department & Year	國際碩士班	開課單位 Course-Offering Department	自然資源與環境學系
修別 Type	☐ 必修 Required ☒ 選修 Elective ☐ 學程 Program	學分數 Credit(s)	3	時數 Hour(s)	3
先修課程 Prerequisite	無 (None)				
課程描述 Course Description	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 course develops a range of environmental management concepts, practices, tools, and approaches. Students learn 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.				

課程目標 Course Objectives	The goal of this course is to provide knowledge and skills on how to manage sustainable development and drive change in companies and organizations, especially with the growing focus on sustainability. The aims are to enable students to acquire: ● Recognise the major components of an environmental management system; how to apply them incorporating principles and applications. ● Analyze and compare how strategies like environmental management systems help improve an organization's contribution to sustainable development, taking into account the life-cycle perspective and the organization's economic and institutional context. ● Plan and carry out a group project on environmental and sustainability management for an organization, based on the project details and client needs. ● Write project reports following course guidelines, then present and discuss the findings with the organization studied and at seminars with course participants.
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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 To be knowledgeable 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 use global perspectives to resolve environmental issues and develop systematic solutions. E.具備系統分析、未來思考、溝通協調與團隊合作的能力 To have the ability to analyze, plan, communicate, and coordinate with others as a team. 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, to develop an international perspective, and to have the ability to communicate in a foreign language.					
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
	V	V	V	V	V	V
圖示說明 Illustration : ● 高度相關 Highly correlated ◎ 中度相關 Moderately correlated						
教學策略 Teaching Strategies	■ 課堂講授 Lecture ■ 分組討論 Group Discussion ■ 參觀實習 Field Trip □ 其他 Miscellaneous: _____					
學期成績計算方式 Grading	■ 報告 Reports: 30% ■ 作業成績 Homework and/or Assignments: 30% ■ □ 頭報告 Oral Presentations: 20% ■ 出席率和參與討論 Participation and attendance 20%					
教科書與參考書目（書名、作者、書局、代理商、說明） Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.) Reading Packages are available on e-learning						
課程教材網址（教師個人網址請列在本校內之網址） Teaching Aids & Teacher's Website (Personal website can be listed here.) Reading Packages are available on e-learning						
備註： 1.各開課單位請參考範例格式修正教學計畫表內容。 2.教學計畫表上傳步驟：教務處首頁點選「教務資訊系統」→「教務資訊系統—課務」→「教師開課查詢系統」→「上傳選取課程之教學計劃電子檔(.doc 或.pdf)」 (網址 http://web.ndhu.edu.tw/SUBJSELE/ATX_TEACHER_SUBJProj1_BIG.htm)						