



課 綱 Course Outline

自然資源與環境學系碩士班

中文課程名稱 Course Name in Chinese	地景生態學				
英文課程名稱 Course Name in English	Landscape Ecology				
科目代碼 Course Code	NR__52500	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	無				
課程目標 Course Objectives					
介紹區域地景生態學的概念，討論在自然資源經營管理上如可應用地景生態學之概念。					
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力 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、區域與地景的空間配置
- 2、生態系的概念
- 3、地景的結構：區塊、甬道、基底
- 4、鑲鉗地景單元中能量與物質的流動
- 5、地景變遷
- 6、永續環境的經營管理

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.)

講授者已具備微氣象、水文及陸生生態系等專長，課程中將使用航照圖、地形圖及簡單之地理資訊系統

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

課程的講授將以課堂授課，討論及實例演練的方式交互進行

其他
Miscellaneous