



# 課 綱 Course Outline

## 自然資源與環境學系學士班

中文課程名稱 Course Name in Chinese	保育生物學				
英文課程名稱 Course Name in English	Conservation Biology				
科目代碼 Course Code	NRES40000	班 別 Degree	學士班 Bachelor' s		
修別 Type	學程 Program	學分數 Credit(s)	3.0	時 數 Hour(s)	3.0
先修課程 Prerequisite					
課程目標 Course Objectives					
了解生物多樣性與生態系之保育與經營管理的理論、應用與實例。					
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基礎知識 To be knowledgeable of fundamental theories in the natural and social sciences.			○	
B	具備觀察、理解、闡釋自然環境與人類社會互動及變遷關係的能力 To be able to observe, understand, and interpret the changing interactions of natural resources and human society.			●	

C	具備多元資料收集策略、閱讀論文、撰寫環境報導及創意口頭報告的能力 To have the ability to collect data, understand scientific literature, and write and present environmentally related reports.	○
D	能終身學習、對環境維持熱情、關懷、並願意做出對在地環境獻身的承諾 To cultivate the values of lifelong learning, to maintain enthusiasm and concern for the environment, and to develop commitment to the local environment.	○
E	具備環境倫理觀、社會責任感與社會實踐力 To develop and implement environmental ethics and social responsibility.	○
F	具備獨立思考、溝通協調與團隊合作的能力 To think independently, to communicate effectively, and to cooperate with others as a team.	○
G	具備基本外國語文能力 The be able 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

- 一、保育生物學的範疇
- 二、生物資源的價值
- 三、生物多樣性保育
- 四、保育遺傳學
- 五、物種滅絕
- 六、族群動態與保育
- 七、棲地破碎化
- 八、群聚與生態系保育
- 九、保護區經營管理
- 十、保育的人文社經面
- 十一、生物多樣性保育與永續發展

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.)

幻燈機、投影機、相關電腦軟體。

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

1. 內容講授
2. 課中討論

### 其他 Miscellaneous