



課 綱 Course Outline

海洋生物研究所碩士班生物多樣性及演化組

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| 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 | MBE_57400 | 班 別 Degree | 碩士班 Master' s | | |
| 修別 Type | 選修 Elective | 學分數 Credit(s) | 2.0 | 時 數 Hour(s) | 2.0 |
| 先修課程 Prerequisite | | | | | |
| 課程目標 Course Objectives | | | | | |
| 系教育目標 Dept.' s Education Objectives | | | | | |
| 1 | 研究具有本土特色與國際競爭優勢的海洋生物多樣性及演化課題 Studying the topics of marine biodiversity and evolution with both local and international significance. | | | | |
| 2 | 培養具備海洋生物多樣性知識與研發能力以及國際觀的專業人才 Training professionals with knowledge, research capability, and global perspective in marine biodiversity. | | | | |
| 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 | 培養海洋生物多樣性及演化的認知及專業能力。 Professional knowledge and skills in marine biodiversity and evolution research. | | | | |
| B | 具備海洋生態保育及環境保護的概念。 Concepts of conservation of marine ecology and environment. | | | | |
| C | 具備獨立思考邏輯思辨及問題解決能力。 Capability of thinking independently and logically and solving problems. | | | | |
| 圖示說明Illustration : ● 高度相關 Highly correlated ○ 中度相關 Moderately correlated | | | | | |
| 課程大綱 Course Outline | | | | | |
| 1. Introduction of conservation biology | | | | | |

2. Biodiversity
3. Genetics: conservation of diversity within species
4. Population-level conservation
5. Community- and ecosystem-level conservation
6. Habitat fragmentation
7. Management to meet conservation goals
8. Ecological restoration
9. Ecology, politics, and economics
10. Sustainable development
11. Meeting conservation challenges in an uncertain future

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

課堂講授配合學生報告
 評量方式：期中考 35%
 期末考 35%
 報告 20%
 課堂參與 10%

其他
Miscellaneous

課堂講授配合學生報告
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 報告 20%
 課堂參與 10%