

課 綱 Course Outline

| | 2/2 | course o | acrine | | | | |
|---|---|------------------------|-----------------|-------------------------------------|------|--|--|
| | 自然資源與 | 與環境學系研 | 頁 士班 | | | | |
| 中文課程名稱 Course Name in Chinese | 水棲昆蟲生態學 | | | | | | |
| 英文課程名稱 Course Name in English | Ecology of Aquatic Insect | | | | | | |
| 科目代碼 Course Code | NRES53000 | 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 e Objectives | | | | | |
| 樣方法與技術、水棲昆 | ,常見且極為重要之大型, 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 | 、水棲昆蟲飼 | 養及生活史建立、 | 水棲昆蟲相 | 關生態主 | | |
| | , | 、教育目標 ucation Objec | tives | | | | |
| Dept.'s Education Objectives 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 | | | | | | | |
| 7 | 拉美月供白架到與陶社合到與知識的人士 | | | | | | |
| 3 To teach student | 與人文素養的環境公民 s to be environmental hics and human issues | | .e., knowledgea | ble about | | | |
| , | 糸專業能力 | | | 課程目標 力相關性 Correlat between | | | |

| | | 力相關性 | |
|-------------------------|---|-------------------|--|
| 系 專 業 能 力 | | Correlation | |
| | | between Course | |
| Basic Learning Outcomes | | Objectives and | |
| | | Dept.'s Education | |
| | | Objectives | |
| Δ | 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 | | |
| | 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 | | |
| В | To be able to investigate, analyze, plan, and manage both | | |
| | natural resource and human social issues | | |

| С | 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 C 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 D To resolve environmental issues and develop systematic solutions with a global perspective | | | | | |
| Е | 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 | 0 | | | | |
| 圖 | 示說明Illustration :● 高度相關 Highly correlated ○中度相關 Moder | ately correlated | | | | |
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| Course Outline | | | | | | |
| 3. I 5. N 7. S | 1. External morphology 2. Taxonomy 3. Life history 4. Behavioral adaptations 5. Nutrients processing and cycling 7. Substratum 8. Environmental pollution 9. Management of habitat 10. Aquatic insects and mankind | | | | | |
| | 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.) | | | | | |
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| 課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods | | | | | | |
| 多 | 多媒體課程講解、文獻書報閱讀討論、戶外教學及研究調查、專題報告 | | | | | |
| | 其他 | | | | | |
| | Miscellaneous | | | | | |