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②國玄東華大學

課 網 Course Outline

自然資源與環境學系博士班

| 中文課程名稱 Course Name in Chinese | | 獨立研究(一) | | | | | |
|---------------------------------------|---|---|------------------|---|----------------|------|--|
| 英文課程名稱 Course Name in English | | Individual Study(I) | | | | | |
| 科目代碼 Course Code | | NRES71060 | 班 別 Degree | | 博士班 Ph. D. | | |
| 修別 Type | | 選修 Elective | 學分數 Credit(s) | 3. 0 | 時 數 Hour(s) | 3. 0 | |
| 先修課程 Prerequisite | | | | | · | | |
| 課程目標 Course Objectives | | | | | | | |
| 探討研究方法的基礎論述,讓學生擁有自然資源研究設計及資料分析的能力。 | | | | | | | |
| 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 | 音養具備自然科學與社會科學知識的人才 o 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 | 學基礎與世界觀 To prepare the s | ·會科學的研究能力,並可 students with the abil al science theories a | ity to under | | | | |
| В | To instill compr | 全的生態哲思,並有能力 ehensive consideratio iples and social prac | n of environ | | | | |

| C | 具備跨領域知識之整合能力,並能運用多元的策略落實於社會改革,以解決本土與全球的環境問題 To implement sustainable lifestyles based on environmental ethics and ecological principles | |
|---|--|--|
| D | 能整合生態及社會文化的觀點,以獨立或團體動力方式評估環境議題, 澄清相關的價值觀,並提出解決方案 To implement ecological and social perspectives as an individual or in groups to evaluate, clarify, and provide solutions for relevant environmental issues | |
| Е | 具備在大學、政府、企業、第三部門或研究機構進行研究、教學、與社會關懷的能力 The ability to do research, teach and encourage social concern in universities, governments, companies, NGO's or institutes | |

圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated

課程大綱 Course Outline

- 1. 基礎-研究假說、研究哲學、研究倫理、研究概念、研究評鑑
- 2. 取樣方法
- 3. 研究信度及效度
- 4. 研究尺度
- 5. 研究設計
- 6. 研究資料分析
- 7. 撰寫報告及發表

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.)

環境學院專任教師授課

課程要求和教學方式之建議

Course Requirements and Suggested Teaching Methods

教師講授、討論、報

其他 Miscellaneous

報告50%

討論及參與50%

教科書

- 1. Booth, W. C., G. G. Colomb, & J. M. Williams. The Craft of Research, Chicago: The University of Chiago Press, 1995
- 2. William M. K. Trochim, The Research Methods Knowledge Base, 2nd ed. Cornell University, 2001. (http://www.socialresearchmethods.net/kb/index.php)