



課 綱 Course Outline  
自然資源與環境學系碩士班國際組

|                                        |                                                                                                                                          |                  |                  |                                                                                          |     |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------------------------------------------------------------------------------|-----|
| 中文課程名稱<br>Course Name in Chinese       | 專題討論                                                                                                                                     |                  |                  |                                                                                          |     |
| 英文課程名稱<br>Course Name in English       | Seminar                                                                                                                                  |                  |                  |                                                                                          |     |
| 科目代碼<br>Course Code                    | NRESM0430                                                                                                                                | 班 別<br>Degree    | 碩士班<br>Master' s |                                                                                          |     |
| 修別<br>Type                             | 必修<br>Required                                                                                                                           | 學分數<br>Credit(s) | 2.0              | 時 數<br>Hour(s)                                                                           | 2.0 |
| 先修課程<br>Prerequisite                   |                                                                                                                                          |                  |                  |                                                                                          |     |
| 課程目標<br>Course Objectives              |                                                                                                                                          |                  |                  |                                                                                          |     |
| 提供跨領域學習與討論的平台；訓練科學論文寫作，報告與評論的能力        |                                                                                                                                          |                  |                  |                                                                                          |     |
| 系教育目標<br>Dept.' s Education Objectives |                                                                                                                                          |                  |                  |                                                                                          |     |
| 1                                      | 培養兼具國際視野與本土關懷的學生<br>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<br>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<br>To teach students to be environmental citizens (i.e., knowledgeable about environmental ethics and human issues.). |                  |                  |                                                                                          |     |
| 系專業能力<br>Basic Learning Outcomes       |                                                                                                                                          |                  |                  | 課程目標與系專業能力相關性<br>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<br>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<br>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<br>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<br>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<br>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<br>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

專討課程的設計，係希望透過循序漸進的方式，引導與協助同學逐步完成論文，並與所上師生分享及討論論文研究之構思、執行、資料分析與撰寫各階段的心得與成果。希望同學能藉由兩次的專討，找出一個有興趣的課題，透過文獻的回顧、整理與分析，提出一個擬測試或檢驗的論點或假說，再針對此一假說，在時間、能力與資源允許的狀況下，設計可執行的研究計畫。在專討三時呈現論文的架構，或接近碩士論文的草稿，包括論文探討的主題與其背景說明，並針對預期可獲得或是已經取得的資料，擬具資料分析的方法，提出預期的結果，或至少呈現初步的結果。

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

- Grades are determined by quality of oral presentation, written reports, and responses to questions from other students. Grades are docked for lack of attendance, being late, missing deadlines, and failure to ask at least five questions and write at least five comments.
- Preliminary grade is the average of grades submitted by all teachers present at the oral presentation. Final grade is determined after subtracting the following deductions from the primary grade.
- Deductions:
  - Five points are docked for each late attendance (greater than 30 minutes) or absence.
  - Five points are docked if the student fails to ask at least five questions in class.
  - Five points are docked if the student fails to submit written comments for at least five presentations. Comments on a presentation must be submitted immediately after the class featuring that presentation.
  - Five points are docked if the student fails to submit online responses to at least three comments or questions on his or her presentation.
  - Ten points are docked if the student fails to meet the deadline for uploading his or her written report. Deadline to upload first draft is 17:00 on the Friday prior to the student's oral presentation.
  - Ten points are docked if the student fails to upload the revised report before the deadline. Deadline is two weeks after the student's oral presentation.

### 其他 Miscellaneous

依學期中個人報告與上課表現兩部分表現評定通過與否：  
個人報告部份：書面報告初稿與修正稿，口頭報告，問題回應；  
上課表現：出席記錄，提問次數。