



課 綱 Course Outline  
自然資源與環境學系碩士班一般組

中文課程名稱 Course Name in Chinese	科學寫作				
英文課程名稱 Course Name in English	Scientific Writing				
科目代碼 Course Code	NRES54160	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					
課程目標 Course Objectives					
本課程目標在訓練同學基本的地質科學英文閱讀與寫作能力，以期能為未來參與國際學術會議發表或國際期刊投稿做準備					
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	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				○
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 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 To implement sustainable lifestyles based on environmental ethics and ecological principle	○
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 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	●

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

### 課程大綱 Course Outline

本課程擬介紹下列主題：地質科學文獻的類型、英文文獻閱讀技巧、學術期刊文章格式、英文寫作注意事項與技巧、國際學術會議論文摘要練習、學位論文格式與寫作、英文履歷表寫作練習、專業報告寫作、國際期刊投稿注意事項。學生必須練習各式寫作並完成一份研究工作進度報告與一份文獻評論(均使用英文)。

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、文獻閱讀、寫作練習、公開討論

### 其他 Miscellaneous

課堂參與 20%，期中報告40%，期末報告40%

#### 建議閱讀

Copeland, P. (2012). *Communicating rocks: Writing, speaking, and thinking about geology*. Upper Saddle River, NJ: Pearson Education.

Bates, R.L. et al. (1995) *Geowriting: A Guide to Writing, Editing, and Printing in Earth Science* (5th Edition). American Geological Institute.

Donovan, S.K. (2011) Essay review: Writing about geology. *Geological Journal*, 46, 374-379