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## 課 綱 Course Outline (碩士班)

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		班 別 Degree	<input type="checkbox"/> 學士班 Bachelor's <input type="checkbox"/> 碩專班 Master's program <input checked="" type="checkbox"/> 碩士班 Master's <input checked="" type="checkbox"/> 博士班 Ph.D.			
修別 Type	<input type="checkbox"/> 必修 Required <input checked="" type="checkbox"/> 選修 Elective <input type="checkbox"/> 學程 Program		學分數 Credit(s)	3	時 數 Hour(s)	3
先修課程 Prerequisite						

課程目標 Course Objectives	This course is designed as a research and professional development course for graduate students in science majors. Instruction will focus primarily on the process of academic writing and publishing scientific manuscripts. The course will teach students how to write effectively and help them through the preparation of an actual scientific manuscript (or thesis proposal).		
系教育目標 Dept.'s Education Objectives	培養兼具國際視野與本土關懷的學生	培養具備自然科學與社會科學知識的人才	培養具備環境倫理與人文素養的環境公民
課程目標與系教育目標 相關性 Correlation between Course Objectives and Dept.'s Education Objectives	●	◎	◎
圖示說明 Illustration : ● 高度相關 Highly correlated   ◎ 中度相關 Moderately correlated			

系專業(基本)能力 Basic Learning Outcomes	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 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 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 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 E.具備系統分析、未來思考、溝通協調與團隊合作的能力 F.具備終身學習、國際視野與外語溝通的能力					
課程目標與系專業能力 相關性 Correlation between Course Objectives and Basic Learning Outcomes	A	B	C	D	E	F
	●	●	◎	◎	◎	●
圖示說明 Illustration : ● 高度相關 Highly correlated ◎ 中度相關 Moderately correlated						

課程大綱 Course Outline Types of Scientific Presentation; Importance of Scientific Presentation; Key Principles; Organizing and Writing a Rough Draft; Searching and Reviewing Scientific Literature; Research and Thesis Proposals; Graduate Dissertations; Publishing in Scientific Journals; Style and Accuracy in the Final Draft; Technical Reports; Reviewing and Revising; Titles and Abstracts; Publishing Data; Professionalism, Ethics, and Legal Issues; Oral Presentations; Poster Presentations
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
課程成績評定之依據和標準 Grading Criteria Participation: 20%; Assignments 40%; Final Report: 40%
其他 Miscellaneous