



## 教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	科學論文寫作		學年/學期 Academic Year/Semester	112/1
課程名稱(英文) Course Name in English	Scientific and Technical Writing			
科目代碼 Course Code	MBE_57560	系級 Department & Year	碩士	開課單位 Course-Offering Department
修別 Type	選修 Elective	學分數/時間 Credit(s)/Hour(s)	3.0/3.0	
授課教師 Instructor	/劉弼仁			
先修課程 Prerequisite				
課程描述 Course Description				
藉由課堂上課、作業練習，瞭解如何進行科學論文寫作與發表				
教課書 A short guide to writing about biology				
輔助教科書 How to write and publish a scientific paper, 7/e (中文版 如何撰寫及發表科學論文)				
課程目標 Course Objectives				
瞭解如何進行科學論文寫作與發表。				
圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated				
授課進度表 Teaching Schedule & Content				
週次Week	內容 Subject/Topics			備註Remarks
1	Introduction及為什麼開這門課			
2	Introduction and general rules及討論			
3	Locating useful sources及討論			
4	General advice on reading and note-taking及討論			
5	Statistical methods及討論			
6	Citing sources and listing references 及討論			
7	Writing summaries, critiques essays, review papers及討論			
8	Writing summaries, critiques essays, review papers及討論			
9	Answering Essay Questions及討論			
10	期中考試週 Midterm Exam (How to prepare presentation)			
11	Writing laboratory and other research及討論			
12	Writing research proposals			
13	Writing research proposals			
14	Presenting research findings: writing talks and poster presentations			
15	Writing letters of application			

16	Revising	
17	寫proposal	
18	期末考試週 Final Exam 學期考試(01/6-01/10) - Proposal、論文口頭報告	

教 學 策 略 Teaching Strategies

- 課堂講授 Lecture
  分組討論 Group Discussion
  參觀實習 Field Trip  
 其他 Miscellaneous:

教 學 創 新 自 評 Teaching Self-Evaluation

創新教學(Innovative Teaching)

- 問題導向學習(PBL)
  團體合作學習(TBL)
  解決導向學習(SBL)  
 翻轉教室 Flipped Classroom
  磨課師 Moocs

社會責任(Social Responsibility)

- 在地實踐 Community Practice
  產學合作 Industry-Academia Cooperation

跨域合作(Transdisciplinary Projects)

- 跨界教學 Transdisciplinary Teaching
  跨院系教學 Inter-collegiate Teaching

- 業師合授 Courses Co-taught with Industry Practitioners

其它 other:

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學期成績計算及多元評量方式 Grading & Assessments

配分項目 Items	配分比例 Percentage	多元評量方式 Assessments							
		測驗 會考	實作 觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績 General Performance	50%		✓	✓	✓				
期中考成績 Midterm Exam									
期末考成績 Final Exam									
作業成績 Homework and/or Assignments	50%		✓	✓	✓				
其他 Miscellaneous (_____)									

評量方式補充說明

Grading & Assessments Supplemental instructions

教科書與參考書目 (書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

A short guide to writing about biology. Jan A. Pechenik. Pearson

課程教材網址(含線上教學資訊,教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.  
Personal website can be listed here.)

其他補充說明 (Supplemental instructions)