

課程流水號 Serial Number	24047
課號 Course Number	LS7004
班次 Class	A
科目名稱(中文) Course Title(in Chinese)	專題討論IV
科目名稱(外文) Course Title(In English or other languages)	Seminar IV
授課老師(中文) Instructor(in Chinese)	劉阜果
授課老師(外文) Instructor(In English or other languages)	Fu-Guo Robert Liu
辦公時間(中文) Office Hour(in Chinese)	Tuesday 8:30 ~ 10:30
辦公時間(外文) Office Hour(In English or other languages)	Tuesday 8:30 ~ 10:30
課程目標(中文) Course Objective(in Chinese)	本課程旨在訓練學生文獻之搜集及閱讀、整理與報告之能力、選修者必須選擇一至數篇最新發表之生命科學文章，課前仔細研讀、歸納整理，並製作powerpoint檔案，於課堂上親自上台，就文章之實驗背景、目的、實驗方法、實驗結果，對全班學生進行口頭報告，並做討論。本課程不但要學生瞭解文章內容，更要會講述，讓聽講者瞭解，是一全方位之訓練課程。
課程目標(外文) Course Objective(In English or other languages)	This course will train student to find the biological literatures, to read the articles, to summarize the text of the papers, and to prepare how to report them with powerpoint software in an oral way. Also, train students how to write a term report.
授課內容(中文) Course Description(in Chinese)	本課程以訓練學生研讀及報告科學性文章(生命科學)的能力為主；課程內容以生命科

	學相關文獻為主，從文獻收集、管理開始，進而研讀、摘要文獻重點，最後訓練學生如何準備及作口頭報告。課程進行方式除老師講課外，主要由修課學生進行口頭報告、及討論。
授課內容(外文) Course Description(In English or other languages)	This course will train student to find the biological literatures, to read the articles, to summarize the text of the papers, and to prepare how to report them with powerpoint software in an oral way. Also, train students how to write a term report.
教科書/參考書(中文) Textbook/References(in Chinese)	近期期刊論文。
教科書/參考書(外文) Textbook/References(In English or other languages)	Recent Journal papers.
自編教材比例 Self-compiled Textbook/References Proportion	100%
授課方式 Requirements	研討Seminar 個別指導Individual Discussion
評量配分比重(中文) Grading(in Chinese)	報告 (50%) 準備 (20%) 討論 (30%)
評量配分比重(外文) Grading(In English or other languages)	Presentation (50%) Preparation (20%) Discussion (30%)
課程所屬學制 Educational System	博士班(Doctoral Programme)
課程領域 Course Domain	基礎學科 進階學科
跨系課程領域 Cross Department Course Domain	

系所核心能力 Core Competencies of Department	0	1	2	3	4	5	評量方式 Corresponding Assessments
	不具備 Zero	非常低 Very Low	低 Low	普通 Medium	高 High	非常高 Very High	
強度指數 Overall Rating 高等生物專業知識 Advanced Biological Sciences	●	●	●	●	●	●	<input type="checkbox"/> 紙筆測驗/會考 (Test/Exam) <input type="checkbox"/> 作業練習 (Assignments) <input checked="" type="checkbox"/> 口頭報告/口試 (Presentation/Oral Exam) <input type="checkbox"/> 專題研究報告(書面) (Research Report(printed on paper)) <input type="checkbox"/> 實作/實驗 (Practices/Experiments) <input checked="" type="checkbox"/> 出席/課堂表現 (Attendance/Performance) <input type="checkbox"/> 學習檔案評量 (Portfolios Assessment) <input type="checkbox"/> 自我評量/同儕互評 (Self Assessment/ Peer Assessment) <input type="checkbox"/> 作品/創作展演 (Products/Creative Performance) <input type="checkbox"/> 其他(Others) <input type="checkbox"/> 無(No assessment)

<p>創新及整合研究 Innovative and integrative research</p>	●	●	●	●	●	●	<ul style="list-style-type: none"> <input type="checkbox"/> 紙筆測驗/會考 (Test/Exam) <input type="checkbox"/> 作業練習 (Assignments) <input checked="" type="checkbox"/> 口頭報告/口試 (Presentation/Oral Exam) <input type="checkbox"/> 專題研究報告(書面) (Research Report(printed on paper)) <input type="checkbox"/> 實作/實驗 (Practices/Experiments) <input checked="" type="checkbox"/> 出席/課堂表現 (Attendance/Performance) <input type="checkbox"/> 學習檔案評量 (Portfolios Assessment) <input type="checkbox"/> 自我評量/同儕互評 (Self Assessment/ Peer Assessment) <input type="checkbox"/> 作品/創作展演 (Products/Creative Performance) <input type="checkbox"/> 其他(Others) <input type="checkbox"/> 無(No assessment)
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<p>專業寫作與表達 Professional writing and presentation</p>	●	●	●	●	●	●	<ul style="list-style-type: none"> <input type="checkbox"/> 紙筆測驗/會考 (Test/Exam) <input type="checkbox"/> 作業練習 (Assignments) <input checked="" type="checkbox"/> 口頭報告/口試 (Presentation/Oral Exam) <input type="checkbox"/> 專題研究報告(書面) (Research Report(printed on paper)) <input type="checkbox"/> 實作/實驗 (Practices/Experiments) <input checked="" type="checkbox"/> 出席/課堂表現 (Attendance/Performance) <input type="checkbox"/> 學習檔案評量 (Portfolios Assessment) <input type="checkbox"/> 自我評量/同儕互評 (Self Assessment/ Peer Assessment) <input type="checkbox"/> 作品/創作展演 (Products/Creative Performance) <input type="checkbox"/> 其他(Others) <input type="checkbox"/> 無(No assessment)
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<p>國際觀 International vision</p>	●	●	●	●	●	●	<ul style="list-style-type: none"> <input type="checkbox"/> 紙筆測驗/會考 (Test/Exam) <input type="checkbox"/> 作業練習 (Assignments) <input checked="" type="checkbox"/> 口頭報告/口試 (Presentation/Oral Exam) <input type="checkbox"/> 專題研究報告(書面) (Research Report(printed on paper)) <input type="checkbox"/> 實作/實驗 (Practices/Experiments) <input checked="" type="checkbox"/> 出席/課堂表現 (Attendance/Performance) <input type="checkbox"/> 學習檔案評量 (Portfolios Assessment) <input type="checkbox"/> 自我評量/同儕互評 (Self Assessment/ Peer Assessment) <input type="checkbox"/> 作品/創作展演 (Products/Creative Performance) <input type="checkbox"/> 其他(Others) <input type="checkbox"/> 無(No assessment)
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