

課程流水號 Serial Number	24038
課號 Course Number	LS6076
班次 Class	*
科目名稱(中文) Course Title(in Chinese)	專題研究：RNA穩定度
科目名稱(外文) Course Title(In English or other languages)	Special Topics in RNA stability
授課老師(中文) Instructor(in Chinese)	陸重安
授課老師(外文) Instructor(In English or other languages)	Chung-An Lu
辦公時間(中文) Office Hour(in Chinese)	9:00-17:00
辦公時間(外文) Office Hour(In English or other languages)	9:00-17:00
課程目標(中文) Course Objective(in Chinese)	讓學生：1. 了解基因調控之複雜度。2. RNA與基因調控之關係。3. 近代RNA調控的進展。
課程目標(外文) Course Objective(In English or other languages)	1. To understand the complexity of gene regulation . 2. The relationship of RNA and gene regulation . 3. Progress of Modern RNA regulation.
授課內容(中文) Course Description(in Chinese)	探討 mRNA 的穩定度 1. Gene transcription 2. Transcription control 3. post-transcriptional control 4. mRNA adenylation and pol y-A signal 5. deadenylation and mRNA stability 6. Deadenylase 7. RNA silencing 8. RNA interference 9. Gene expression and mRNA stability
授課內容(外文) Course Description(In English or other languages)	探討 mRNA 的穩定度 1. Gene transcription 2. Transcription control 3. post-transcriptional control 4. mRNA adenylation and pol y-A signal 5. deadenylation and mRNA stability 6. Deadenylase 7. RNA silencing 8. RNA interference 9. Gene expression and mRNA stability
教科書/參考書(中文) Textbook/References(in Chinese)	The related paper

教科書/參考書(外文) Textbook/References(In English or other languages)	The related paper
自編教材比例 Self-compiled Textbook/References Proportion	
授課方式 Requirements	講授Lecture 研討Seminar 實習/實驗 Internship/Experiment 個別指導Individual Discussion
評量配分比重(中文) Grading(in Chinese)	Written and oral reports 100%
評量配分比重(外文) Grading(In English or other languages)	Written and oral reports 100%
課程所屬學制 Educational System	博士班(Doctoral Programme)
課程領域 Course Domain	進階學科 農業應用
跨系課程領域 Cross Department Course Domain	

系所核心能力 Core Competencies of Department	強度指數 Overall Rating					評量方式 Corresponding Assessments
	0 不具 備 Zero	1 非常 低 Very Low	2 低 Low	3 普通 Medium	4 高 High	5 非常 高 Very High

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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 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)
創新及整合研究 Innovative and integrative research	●	●	●	●	●	●	<input type="checkbox"/> 紙筆測驗/會考 (Test/Exam) <input type="checkbox"/> 作業練習(Assignments) <input 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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專業寫作與表達 Professional writing and presentation	●	●	●	●	●	●	<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 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)
國際觀 International vision	●	●	●	●	●	●	<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 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)

