

課程流水號 Serial Number	24032
課號 Course Number	LS6038
班次 Class	*
科目名稱(中文) Course Title(in Chinese)	專題研究：植物荷爾蒙
科目名稱(外文) Course Title(In English or other languages)	Special Topics in Plant Hormones
授課老師(中文) Instructor(in Chinese)	葉靖輝
授課老師(外文) Instructor(In English or other languages)	Ching-Hui Yeh
辦公時間(中文) Office Hour(in Chinese)	13:00 ~ 15:00/星期二
辦公時間(外文) Office Hour(In English or other languages)	Tuesdaay 13:00~15:00
課程目標(中文) Course Objective(in Chinese)	藉由學習基本植物生理學的實驗技術，如蒸散作用與光合作用速率的測定、植物賀爾蒙影響植物生長的測定方式和植物中各種酵素活性的分析方法，均可幫助同學建立最基本的認知，有助於未來的研究工作。
課程目標(外文) Course Objective(In English or other languages)	By learning basic plant physiology experimental techniques , such as measuring the rate of transpiration and photosynthesis , plants the way hormones affect the determination of plant growth and plant enzyme activity in a variety of analytical methods , may help students to create basic awareness to help future research.
授課內容(中文) Course Description(in Chinese)	1~2 Plant Cells 3~4 Plant Hormones 5~6 Signaling and function of plant hormones 7~8 Seed germination 9~10 Seedling Development 11~12 Growth and differentiation of the shoot 13~14 Leaf growth and differentiation 15~16 Root growth and development 17~18 Vernalization
授課內容(外文) Course Description(In English or other languages)	1~2 Plant Cells 3~4 Plant Hormones 5~6 Signaling and function of plant hormones 7~8 Seed germination 9~10 Seedling Development 11~12 Growth and differentiation of the shoot 13~14 Leaf growth and differentiation

	15~16 Root growth and development 17~18 Vernalization
教科書/參考書(中文) Textbook/References(in Chinese)	The Plant Cell Plant Physiology Plant Cellular Physiology
教科書/參考書(外文) Textbook/References(In English or other languages)	The Plant Cell Plant Physiology Plant Cellular Physiology
自編教材比例 Self-compiled Textbook/References Proportion	
授課方式 Requirements	講授Lecture 研討Seminar
評量配分比重(中文) Grading(in Chinese)	考試: 80% 報告: 20%
評量配分比重(外文) Grading(In English or other languages)	Examination: 80% report : 20%
課程所屬學制 Educational System	博士班(Doctoral Programme)
課程領域 Course Domain	基礎學科 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 checked="" 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)
創新及整合研究 Innovative and integrative research	●	●	●	●	●	●	<input checked="" 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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	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	
專業寫作與表達 Professional writing and presentation	●	●	●	●	●	●	<input checked="" 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)
國際觀 International vision	●	●	●	●	●	●	<input checked="" 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)

