

課程流水號 Serial Number	24043
課號 Course Number	LS6109
班次 Class	*
科目名稱(中文) Course Title(in Chinese)	專題研究:基礎果蠅遺傳學與胚胎發育
科目名稱(外文) Course Title(In English or other languages)	Special Topic: Genetic Basis of Embryogenesis in Drosophila
授課老師(中文) Instructor(in Chinese)	粘仲毅
授課老師(外文) Instructor(In English or other languages)	Chung-Yi Nien
辦公時間(中文) Office Hour(in Chinese)	Tuesday 13:00-15:00
辦公時間(外文) Office Hour(In English or other languages)	Tuesday 13:00-15:00
課程目標(中文) Course Objective(in Chinese)	果蠅多樣的遺傳操做工具使得果蠅成為生命科學研究中最重要模型生物之一。因此精通果蠅的遺傳學對於以果蠅作為研究工具之研究者，是不可缺的習題。本課程將提供學生以果蠅為研究工具所必要的知識。
課程目標(外文) Course Objective(In English or other languages)	The genetic tools of <i>Drosophila melanogaster</i> make <i>Drosophila</i> become one of the most important model organisms in early development researches. Therefore, it is necessary to understand the details of the genetic tools in <i>Drosophila</i> . This course will provide the essential knowledge for students to use <i>Drosophila</i> as model in their research projects.
授課內容(中文) Course Description(in Chinese)	1. Introduction 2 ~ 5. <i>Drosophila</i> Embryogenesis 6 ~ 9. <i>Drosophila</i> genetics

	10 ~ 13. Drosophila genomics 14 ~ 18. Mutagenesis
授課內容(外文) Course Description(In English or other languages)	1. Introduction 2 ~ 5. Drosophila Embryogenesis 6 ~ 9. Drosophila genetics 10 ~ 13. Drosophila genomics 14 ~ 18. Mutagenesis
教科書/參考書(中文) Textbook/References(in Chinese)	fly pushing Scientific papers
教科書/參考書(外文) Textbook/References(In English or other languages)	fly pushing Scientific papers
自編教材比例 Self-compiled Textbook/References Proportion	
授課方式 Requirements	個別指導Individual Discussion 其他 Other
評量配分比重(中文) Grading(in Chinese)	Discussion 100%
評量配分比重(外文) Grading(In English or other languages)	Discussion 100%
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 生物資訊 實驗操作
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 checked="" 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)

<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 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 checked="" 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)
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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 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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