



教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	生物學(二)		學年/學期 Academic Year/Semester	112/2
課程名稱(英文) Course Name in English	Biology (II)			
科目代碼 Course Code	LF_10200	系級 Department & Year	學一	開課單位 Course-Offering Department
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)	3.0/3.0	
授課教師 Instructor	/劉振倫/張瑞宜			
先修課程 Prerequisite				
課程描述 Course Description				
延伸生物學(一)之微觀基礎，生物學(二)培養學生深入瞭解基礎生物學之重要性，及相關應用性，以增進學生基礎生物背景，對於未來的就業及繼續深造奠定利基；並鼓勵閱讀原文書，增進學生的國際觀！				
課程目標 Course Objectives				
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 to Viruses			
2	Introduction to Viruses; Prokaryotes			
3	Prokaryotes			
4	Prokaryotes; The Origin and Evolution of Eukaryotes			
5	The Origin and Evolution of Eukaryotes; Introduction to Fungi			
6	The Origin and Evolution of Eukaryotes; Introduction to Fungi			
7	Introduction to Fungi			
8	Expression of Gene			
9	Expression of Gene(4/16); 期中考試 Midterm Exam(4/18)			
10	Animal digestive system (Animal nutrition)			
11	Animal digestive system (Animal nutrition)			
12	Animal transport system (Circulation and gas change)			
13	Animal transport system (Circulation and gas change)			
14	Animal excretory system (Osmoregulation)			
15	Animal excretory system (Osmoregulation)			
16	Animal defenses against infection (immune system)			

17	Animal defenses against infection (immune system)(6/11); Final Exam (6/13)	
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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:

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									
期中考成績 Midterm Exam	45%	✓							
期末考成績 Final Exam	45%	✓							
作業成績 Homework and/or Assignments									
其他 Miscellaneous (出席率)	10%								

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.)

Campbell Biology 12 Edition by Campbell et al.

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.)

無

其他補充說明 (Supplemental instructions)