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②國玄東華大學

教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	高等分子細胞生物學				學年/學期 Academic Year/Se	114/1	
課程名稱(英文) Course Name in English	Advanced Molecular Cell Biology						
科目代碼 Course Code	BMM_D0040	系級 Department 博士 & Year		開課單位 Course-Offering Department	生化暨分子醫學科學系		
修別 Type	必修 Required	學分數/時間 Credit(s)/Hour(s)		3.0/3.0			
授課教師 Instructor	/謝函芸/林哲績	1					
先修課程 Prerequisite							
	7田	伊斯· Course	no Donor	.i.n.t	ion		

課程描述 Course Description

讓學生更近一步的了解分子細胞生物學, 增進分子細胞學方面的知識, 以培養未來細胞生物學研究的人才

課程目標 Course Objectives

The course aims to guide students to understand cell biology, molecular cell biology, knowledge, scientific rationale, and methodology; in addition, students can learn the ability to gain comprehensive understanding of scientific issues related to cell biology.

	系專業能力 Basic Learning Outcomes	課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education Objectives
A	具備執行生物醫學專業研究及解決問題的能力。Have the ability to conduct biomedical professional research and solve problems.	•
В	建立吸收新知、終身學習及創新應用能力。Establishing the ability to absorb new knowledge, engage in lifelong learning, and apply innovation.	•
С	具備專業領域的研究素養,並具有國際視野之科學涵養。Having expertise in the professional field of study and possessing a scientific cultivation with an international perspective.	
D	具備計畫書與論文撰寫之能力。Possessing the ability to write project proposals and papers.	0

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	
2	Cytoskeleton and cell movement	
3	Cell adhesion and extracellular matrix	
4	Cell cycle and its control system	
5	國慶日放假	
6	Apoptosis	
7	補假	

8	Cancer Biology	
9	期中考試週 Midterm Exam	
10		
11		
12		
13		
14		
15		
16		
17	期末考試週 Final Exam	
18	彈性教學週	
	教學策略 Teaching Strategies	
✓ 課堂講	授 Lecture	Field Trip
其他Mis	scellaneous:	
	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	·월(SBL)
翻轉教	室 Flipped Classroom	
社會責任(Social Responsibility)	
在地實	踐Community Practice 產學合作 Industy-Academia Cooperati	on
跨域合作(Transdisciplinary Projects)	
跨界教	學Transdisciplinary Teaching	
業師合	授 Courses Co-taught with Industry Practitioners	
其它 othe	r:	
l		

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(含出缺席) General Performance (Attendance Record)	40%									
期中考成績 Midterm Exam										
期末考成績 Final Exam										
作業成績 Homework and/or Assignments	60%									
其他 Miscellaneous ()										

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.)

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.)

其他補充說明(Supplemental instructions)