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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	高階藥效評估				學年/學期 Academic Year/Semester		113/2
課程名稱(英文) Course Name in English	Introduction of Pharmaceutical Function						
科目代碼 Course Code	MBT_56490	系級 Department 碩士 & Year		開課單位 Course-Offering Department	海洋生物研究所		
修別 Type	選修 Elective	學分數/時間 Credit(s)/Hour(s)		3.0/3.0			
授課教師 Instructor	/呂美津						
先修課程 Prerequisite							

課程描述 Course Description

藥效評估對於國際性地新藥開發仍是最主要的一門課題,本課程著重在討論各種天然物的藥用治療特性及其作用機制,包括抗菌、抗發炎、抗癌、抗病毒及抗氧化等之現今臨床用藥物,使研究生能獲得較新的理論及應用方法,充當新藥設計與開發之借鏡。

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	Drugs and drug targets: an overview	
2	Enzymes as drug targets	
3	Receptors as drug target	
4	Nucleic acids as drug targets	
5	Miscellaneous drug target	
6	Pharmacokinetics and related topics	
7	Drug discovery: finding a lead	
8	Drug discovery: finding a lead	
9	期中考試週 Midterm Exam	
10	Drug design: optimizing target interactions	
11	Drug design: optimizing access to the target	
12	Getting the drug to market	
13	Antibacterial agent	
14	Antiviral agents	
15	Anticancer agents	

16	Anticancer agents						
17	Antioxidant agents						
18	期末考試週 Final Exa						
	教 學 策 略	Teaching Strategi	es				
課堂講	≢授 Lecture ✓ 分組討論Gro	up Discussion [參觀實習 [Field Trip			
其他Mi	iscellaneous:						
	教 學 創 新 自 評 Te	eaching Self-Evalu	uation				
創新教學((Innovative Teaching)						
問題導	事向學習(PBL) 團體合作學習	(TBL)	解決導向學	學習(SBL)			
翻轉教	发室 Flipped Classroom	師 Moocs					
社會責任(Social Responsibility)							
□ 在地實踐Community Practice □ 產學合作 Industy-Academia Cooperation							
□ 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 othe	er:						

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例 Percentage	多元評量方式 Assessments							
Items		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)	20%		~						
期中考成績 Midterm Exam	30%			~					
期末考成績 Final Exam	30%			~					
作業成績 Homework and/or Assignments	20%		~						
其他 Miscellaneous ()									

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.)

An Introduction to Medicianl Chemistry, Edited by Graham L. Patrick. Oxford university press.

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)