



教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	神經退化疾病概論		學年/學期 Academic Year/Semester	113/2	
課程名稱(英文) Course Name in English	Introduction to Neurodegenerative Disorders				
科目代碼 Course Code	BMM_33520	系級 Department & Year	學三	開課單位 Course-Offering Department	生化暨分子醫學科學系
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)	2.0/2.0		
授課教師 Instructor	/彭致文/待聘				
先修課程 Prerequisite					
課程描述 Course Description					
<p>學生修習本課程後，能辨識常見的失智症與動作障礙，連結生化與分子生物學基礎，解釋背後的病理生理機轉。並且了解神經退化疾病如何在醫病現場從病史徵候、身體檢查、認知評估、生物標記、腦影像處理、診斷建立、治療協商、到回歸社區與家庭照顧的困境，藉此思考將來如何結合所長、解決問題。</p> <p>課程主要方向：</p> <ol style="list-style-type: none"> 1. 認識神經退化病理生理機轉 2. 認識神經退化疾病臨床特徵 3. 認識神經退化疾病生物標記 4. 認識神經退化疾病的治療趨勢 5. 認識當前失智症醫療的挑戰 					
課程目標 Course Objectives					
<p>圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated</p>					
授課進度表 Teaching Schedule & Content					
週次Week	內容 Subject/Topics				備註Remarks
1	Overview of aging and dementia				
2	Pathogenesis of neurodegeneration				
3	Imaging markers of neurodegeneration				
4	Neuropsychological assessment				
5	Alzheimer disease and amyloidopathy				
6	Lewy body disease and alpha-synucleinopathy				
7	Fronto-temporal dementia and tauopathy				
8	TDP-43 and LATE				
9	期中考試週 Midterm Exam				

10	Huntington disease, spinocerebellar ataxia, amyotrophic lateral sclerosis	
11	Vascular cognitive impairment	
12	Prion disease and rapidly progressive dementia	
13	Secondary causes of cognitive decline	
14	Neuropsychiatric aspect of dementia	
15	Pharmacological and non-pharmacological intervention	
16	Current challenges of dementia care	
17	Review of neurodegeneration	
18	期末考試週 Final Exam	

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	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

1. 期中期末筆試
2. 出席率與課堂參與

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.)

Neurodegenerative Disorders: A Clinical Guide by Orla Hardiman et al. 2nd edition

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)