

<p>尊重智慧財產權，請使用正版教科書，不得非法影印。</p> <p>使用逾期或，未取得合法授權之教材或將試用版教材以公開傳輸利用者，皆屬侵害他人著作權，將處刑責、拘役及罰金，請勿以身試法。</p>	
學期	1101
流水號	24013
課號	LS3037-*
授課教師	黃佳瑜
課程名稱(中文)	神經疾病與機制
課程名稱(英文)	Neurological diseases
學分	3
課程目標	<p>"This course, a 3 credits course, aims to introduce the biological mechanisms of neurological and neuropsychiatric disorders. To better understating brain structures and functional alterations in a variety of developmental, degenerative, neurological, and psychiatric disorders, this course will cover molecular, cellular and anatomical aspects of the brain to discuss these disorders. Students need to have the basic knowledge of biochemistry, cellular and molecular biology before taking this course. By the end of class, students should be able to describe the general mechanism of each neurological/neuropsychiatric disorder and have confident to speak these disorders in public."</p>
授課內容	<p>"Week Class Topic</p> <ol style="list-style-type: none"> 1 Introduction of neuroscience-I 2 Introduction of neuroscience-II 3 Diseases of the Peripheral Nervous System-Muscular Dystrophy 4 Diseases of the Central Nervous System and neurodegeneration-Traumatic Brain Injury 5 Diseases of the Central Nervous System and neurodegeneration-Stroke 6 Diseases of the Central Nervous System and neurodegeneration - Parkinson Disease

	7 Diseases of the Central Nervous System and neurodegeneration – Alzheimer Disease 8 Diseases of the Central Nervous System and neurodegeneration – Huntington Disease 9 Mid-term exam 10 Diseases of the Central Nervous System and neurodegeneration –Epilepsy 11 Immuno-mediated disease– inflammation in nervous system 12 Immuno-mediated disease– Multiple Sclerosis 13 Developmental disorder–Autism Spectrum Disorder 14 Neuropsychiatric disorder–Schizophrenia/Addiction 15 Neuropsychiatric disorder–Depression/anxiety/PTSD 16 Student Presentation 17 Student Presentation 18 Final take-home exam"		
教科書/參考書	Neurobiology of Brain Disorders: Biological Basis of Neurological and Psychiatric Disorders. Coyle et al.		
自編教材比例	0		
授課方式	講授 其他		
評量配分比重	"The grading is consisted of several sections: mid-term exam, final take-home exam, presentation, discussion and participation. The mid-term exam will cover the lectures from week 1–8. The final take-home exam will include entire lectures covered in the semester as well as student presentation. For presentation, student will be assigned a scientific paper and to present it in class for 30 min. Students will be required to ask three questions during presentation in order to get “Discussion” credit. Students will be required to sign in in the class for “Participation” credit. Mid-term exam 20% Final exam 30% Presentation 30% Discussion 10% Participation 10% Total 100%"		
辦公時間	Monday1:00–2:00		
課程領域	進階學科 、 生理 、 微生物與免疫		
系所核心能力		強度指數	評量方式

基礎生物專業知識	(4) 高	紙筆測驗/會考
發掘問題及實驗能力	(3) 普通	紙筆測驗/會考
邏輯分析	(3) 普通	紙筆測驗/會考
網路學習及資料蒐集	(4) 高	紙筆測驗/會考
溝通技巧	(4) 高	紙筆測驗/會考
獨立思考與自我學習	(4) 高	紙筆測驗/會考
團隊合作	(3) 普通	紙筆測驗/會考
博雅通識	(4) 高	紙筆測驗/會考