

課程流水號 Serial Number	24044
課號 Course Number	LS6110
班次 Class	*
科目名稱(中文) Course Title(in Chinese)	專題研究:神經精神疾病機制
科目名稱(外文) Course Title(In English or other languages)	Special Topic: the mechanisms of neuropsychiatric disorder
授課老師(中文) Instructor(in Chinese)	黃佳瑜
授課老師(外文) Instructor(In English or other languages)	Chia-Yu Huang
辦公時間(中文) Office Hour(in Chinese)	星期一下午1-3
辦公時間(外文) Office Hour(In English or other languages)	Monday 1-3PM
課程目標(中文) Course Objective(in Chinese)	此課程探討神經精神疾病的機制，利用最新的期刊論文來了解當前疾病的機制及治療方法。
課程目標(外文) Course Objective(In English or other languages)	This course, a 2 credits course, aims to discuss the neuropathological mechanism of neuropsychiatric disorder. To better understanding the newest and advanced theory and diagnosis as well as treatment strategies, this course will be set as seminar through highly active discussion on high-impact publication. Student will be required to present three times throughout the course. The presentation is also a good training for student in public speaking. A good presentation does not only rely on scientific knowledge, also an excellent presentation skill. How to convey an informative but simplest science idea and/or result to both lay people and professional experts is challenge. Each presentation, student will get feedback on their science as well as overall presentation including presentation skills, power point organization. At the end of the semester, student will have deep understanding on neuropathology of neuropsychiatric disorder, also be confident to speak their research in public.
授課內容(中文) Course Description(in Chinese)	Week Topic 1 What is neuropsychiatric disorder? 什麼是神經精神疾病 2 Paper presentation by Dr. Chia-Y Huang 黃佳瑜報告 3 Special topic in Schizophrenia-I 思覺失調症I 4 Special topic in Schizophrenia -II 思覺失調症II 5 Special topic in Autism 自閉症

	6 Special topic in bipolar disorder 躁鬱症 7 Special topic in Addiction 成癮症 8 Special topic in Post-traumatic stress disorder 創傷症候群 9 Special topic in Chronic stress 慢性壓力 10 Special topic in Social stress 社交壓力 11 Special topic in Depression 憂鬱症 12 Special topic in Learning and Memory 學習與記憶 13 Special topic in Fear memory-I 恐懼記憶I 14 Special topic in Fear memory-II 恐懼記憶II 15 Special topic in Decision making 決定力 16 Special topic in Motivation 動機 17 Special topic in Sleep 睡眠 18 Discussion 討論
授課內容(外文) Course Description(In English or other languages)	Week Topic 1 What is neuropsychiatric disorder? 2 Paper presentation by Dr. Chia-Y Huang 3 Special topic in Schizophrenia-I 4 Special topic in Schizophrenia -II 5 Special topic in Autism 6 Special topic in bipolar disorder 7 Special topic in Addiction 8 Special topic in Post-traumatic stress disorder 9 Special topic in Chronic stress 10 Special topic in Social stress 11 Special topic in Depression 12 Special topic in Learning and Memory 13 Special topic in Fear memory-I 14 Special topic in Fear memory-II 15 Special topic in Decision making 16 Special topic in Motivation 17 Special topic in Sleep 18 Discussion
教科書/參考書(中文) Textbook/References(in Chinese)	期刊論文及用書: 1. Journal: Nature, Science, Nature Neuroscience, Nature Communication, Neuron, Cell, PNAS, Biological Psychiatry, Neuropsychopharmacology 2. Principles of Neural Science by Eric Kandel 3. Fundamental Neuroscience by Larry Squire
教科書/參考書(外文) Textbook/References(In English or other languages)	References: 1. Journal: Nature, Science, Nature Neuroscience, Nature Communication, Neuron, Cell, PNAS, Biological Psychiatry, Neuropsychopharmacology 2. Principles of Neural Science by Eric Kandel 3. Fundamental Neuroscience by Larry Squire
自編教材比例 Self-compiled Textbook/References Proportion	50%
授課方式 Requirements	研討Seminar 個別指導Individual Discussion
評量配分比重(中文) Grading(in Chinese)	口頭報告I Presentation I 20% 口頭報告II Presentation II 20%

	口頭報告III Presentation III 20% 討論 Discussion 22% 課堂參與 Participation 18% 總計 Total 100%
評量配分比重(外文) Grading(In English or other languages)	Presentation I 20% Presentation II 20% Presentation III 20% Discussion 22% Participation 18% Total 100%
課程所屬學制 Educational System	博士班(Doctoral Programme)
課程領域 Course Domain	進階學科 神經生物
跨系課程領域 Cross Department Course Domain	

系所核心能力 Core Competencies of Department	強度指數 Overall Rating	0	1				5	評量方式 Corresponding Assessments
	不具 備	非常 低	2		3	4	非常 高	
	Zero	Very Low	Low		Medium	High	Very	
							High	

系所核心能力 Core Competencies of Department	強度指數 Overall Rating						評量方式 Corresponding Assessments
	0 不具 備 Zero	1 非常 低 Very Low	2 低 Low	3 普通 Medium	4 高 High	5 非常 高 Very High	
高等生物專業知識 Advanced Biological Sciences	●	●	●	●	●	●	<input type="checkbox"/> 紙筆測驗/會考 (Test/Exam) <input type="checkbox"/> 作業練習(Assignments) <input checked="" type="checkbox"/> 口頭報告/口試 (Presentation/Oral Exam) <input type="checkbox"/> 專題研究報告(書面) (Research Report(printed on paper)) <input type="checkbox"/> 實作/實驗 (Practices/Experiments) <input checked="" type="checkbox"/> 出席/課堂表現 (Attendance/Performance) <input type="checkbox"/> 學習檔案評量(Portfolios Assessment) <input type="checkbox"/> 自我評量/同儕互評(Self Assessment/ Peer Assessment) <input type="checkbox"/> 作品/創作展演 (Products/Creative Performance) <input type="checkbox"/> 其他(Others) <input type="checkbox"/> 無(No assessment)
創新及整合研究 Innovative and integrative research	●	●	●	●	●	●	<input type="checkbox"/> 紙筆測驗/會考 (Test/Exam) <input type="checkbox"/> 作業練習(Assignments) <input checked="" type="checkbox"/> 口頭報告/口試 (Presentation/Oral Exam) <input type="checkbox"/> 專題研究報告(書面) (Research Report(printed on paper)) <input type="checkbox"/> 實作/實驗 (Practices/Experiments) <input checked="" type="checkbox"/> 出席/課堂表現 (Attendance/Performance) <input type="checkbox"/> 學習檔案評量(Portfolios Assessment) <input type="checkbox"/> 自我評量/同儕互評(Self Assessment/ Peer Assessment) <input type="checkbox"/> 作品/創作展演 (Products/Creative Performance) <input type="checkbox"/> 其他(Others) <input type="checkbox"/> 無(No assessment)

系所核心能力 Core Competencies of Department	強度指數 Overall Rating						評量方式 Corresponding Assessments
	0 不具 備 Zero	1 非常 低 Very Low	2 低 Low	3 普通 Medium	4 高 High	5 非常 高 Very High	
專業寫作與表達 Professional writing and presentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/> 紙筆測驗/會考 (Test/Exam) <input type="checkbox"/> 作業練習(Assignments) <input checked="" type="checkbox"/> 口頭報告/口試 (Presentation/Oral Exam) <input type="checkbox"/> 專題研究報告(書面) (Research Report(printed on paper)) <input type="checkbox"/> 實作/實驗 (Practices/Experiments) <input checked="" type="checkbox"/> 出席/課堂表現 (Attendance/Performance) <input type="checkbox"/> 學習檔案評量(Portfolios Assessment) <input type="checkbox"/> 自我評量/同儕互評(Self Assessment/ Peer Assessment) <input type="checkbox"/> 作品/創作展演 (Products/Creative Performance) <input type="checkbox"/> 其他(Others) <input type="checkbox"/> 無(No assessment)
國際觀 International vision	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/> 紙筆測驗/會考 (Test/Exam) <input type="checkbox"/> 作業練習(Assignments) <input checked="" type="checkbox"/> 口頭報告/口試 (Presentation/Oral Exam) <input type="checkbox"/> 專題研究報告(書面) (Research Report(printed on paper)) <input type="checkbox"/> 實作/實驗 (Practices/Experiments) <input type="checkbox"/> 出席/課堂表現 (Attendance/Performance) <input type="checkbox"/> 學習檔案評量(Portfolios Assessment) <input type="checkbox"/> 自我評量/同儕互評(Self Assessment/ Peer Assessment) <input type="checkbox"/> 作品/創作展演 (Products/Creative Performance) <input type="checkbox"/> 其他(Others) <input type="checkbox"/> 無(No assessment)