

**11210LSSN575100**  
**神經心理藥物學 Neuropsychopharmacology**

**Instructor:** 張鈞惠 ([changch@life.nthu.edu.tw](mailto:changch@life.nthu.edu.tw))

**Lectures:** Friday 10:10-13:00 @ LSII 218

**Textbook:** Psychopharmacology: Drugs, the Brain, and Behavior (by Meyer and Quenzer)

**Grading (Total 100%)**

1. Take-home essays (25%)
2. Chapter discussion (25%)
3. Literature discussion (total 50%)

- Literatures should be selected from Science, Nature, PNAS, Nature Neuroscience, Neuron, Journal of Neuroscience, Molecular Psychiatry, Biological Psychiatry, or Neuropsychopharmacology.
- They need to be published after July 1, 2022
- Oral presentation (25%)  
~ 35 min presentation + ~15 min discussion (Q&A)
- Q&A (5%)  
Other than the presenter, everyone needs to prepare one critical comment or question regarding the literature during Q&A.
- Commentary (in English, 20%)  
Please follow “Journal of Neuroscience Journal Club” guidelines summarized in the following:  
The commentary should have three components: a short overview of the topic and questions addressed in the reviewed paper, a critical review of the key findings, and a brief summary of the significance of the paper. It must offer more than a summary of what was stated in the original article. For example, it might present important caveats, alternative explanations of the data, or a distinct interpretation of the results in the context of work that the author did not discuss. It must be concise and should be limited to approximately **1500 words**.

<b>Week</b>	<b>Date</b>	<b>Lecture Contents</b>	<b>Presenter</b>	<b>Commentary</b>
1	9/15	Chapter 1: Principles of Pharmacology		
2	9/22	Chapter 4: Methods of Research in Psychopharmacology		
3	9/29	中秋節放假		
4	10/6	Chapter 5: Catecholamines Chapter 6: Serotonin		
5	10/13	Chapter 7: Acetylcholine Chapter 8: Glutamate and GABA *assign the presenter of each topic		
6	10/20	Chapter 9: Drug Abuse and Addiction *decide the paper of each topic *assign commentary		
7	10/27	Chapter 10: Alcohol		
8	11/3	Chapter 11: The Opioids		
9	11/10	Chapter 12: Psychomotor Stimulants: Cocaine, Amphetamines, and Related Drugs		
10	11/17	Chapter 13: Nicotine and Caffeine		
11	11/24	Chapter 14: Marijuana and the Cannabinoids		
12	12/1	Chapter 15: Hallucinogens, PCP, and Ketamine		
13	12/8	Chapter 17: Disorders of Anxiety and Impulsivity and the Drugs Used to Treat These Disorders		
14	12/15	Chapter 18: Affective Disorders: Antidepressants and Mood Stabilizers		
15	12/22	Chapter 19: Schizophrenia: Antipsychotic Drugs		
16	12/29	Chapter 20: Neurodegenerative Diseases		