

10620DMS 274100 神經生物學 (Neurobiology)

Lectures:

Benjamin H. Peng (彭筱明), penghb@ust.hk

Chung-Chuan Lo (羅中泉), LSI-106E, 03-574-2014, ccllo@life.nthu.edu.tw

Chun-hui Chang (張鈞惠), LSI-531, 03-574-2758, changch@life.nthu.edu.tw

Time: W7W8 & R6

Classroom: 生命科學二館 213

Textbook: “Neuroscience: Exploring the Brain 4th edition” (2016) by Mark F. Bear, Barry W. Connors, and Michael A. Paradiso (藝軒圖書, 02-2918-2288)

Grading policy:

45% midterm exam, 45% final exam and 10% attendance.

Materials:

Course materials can be found on the NTHU's E-learning website, <http://lms.nthu.edu.tw/>

Schedule:

Week	Date	Topic	Lecturer
1	2/21	開學 (no class)	
	2/22	Chapter 1: Neuroscience: Past, Present, and Future	Chang
2	2/28	和平紀念日放假	
	3/1	Chapter 1: Neuroscience: Past, Present, and Future	Chang
3	3/7	Chapter 2: Neuron and Glia	Chang
	3/8		
4	3/14	Chapter 7: The Structure of the Nervous System	Chang
	3/15		
5	3/21	Chapter 3: The Neuronal Membrane at Rest	Peng
	3/22		
6	3/28	Chapter 4: The Action Potential	Peng
	3/29		
7	4/4	兒童節放假	
	4/5	民族掃墓節放假	
8	4/11	Chapter 5: Synaptic Transmission	Peng
	4/12		
9	4/18	Chapter 6: Neurotransmitter Systems	Peng
	4/19		
10	4/25	Midterm exam	
	4/26		
11	5/2	Chapter 8: The Chemical Senses	Lo
	5/3	Chapter 9: The Eye	
12	5/9	Chapter 9: The Eye	Lo

	5/10	Chapter 10: The Central Visual System	
13	5/16	Chapter 11: The Auditory and Vestibular Systems	Chang
	5/17		
14	5/23	Chapter 12: The Somatic Sensory System	Chang
	5/24		
15	5/30	Chapter 13: Spinal Control of Movement	Lo
	5/31	Chapter 14: Brain Control of Movement	
16	6/6	Chapter 25: Molecular Mechanisms of Learning and Memory	Chang
	6/7		
17	6/13	Chapter 19: Brain Rhythms and Sleep	Lo
	6/14		
18	6/20	Final exam	