

10820DMS 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, cclo@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:

30% Midterm Exam 1, 30% Midterm Exam 2, 30% 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	2/19	Chapter 2: Neurons and Glia	Peng
	2/20		
2	2/26	Chapter 3: The Neuronal Membrane at Rest	Peng
	2/27		
3	3/4	Chapter 4: The Action Potential	Peng
	3/5		
4	3/11	Chapter 7: The Structure of the Nervous System	Chang
	3/12		
5	3/18	Chapter 5: Synaptic Transmission	Peng
	3/19		
6	3/25	Chapter 6: Neurotransmitter Systems	Peng
	3/26		
7	4/1	Midterm Exam 1	
	4/2	民族掃墓節既兒童節 放假	
8	4/8	Chapter 8: The Chemical Senses	Lo
	4/9		
9	4/15	Chapter 9: The Eye	Lo
	4/16		
10	4/22	Chapter 10: The Central Visual System	Lo
	4/23		
11	4/29	Chapter 11: The Auditory and Vestibular Systems	Chang
	4/30		
12	5/6	Chapter 12: The Somatic Sensory System	Chang
	5/7		
13	5/13	Midterm Exam 2	
	5/14	Chapter 13: Spinal Control of Movement	Lo

14	5/20	Chapter 13: Spinal Control of Movement (continued)	Lo
	5/21	Chapter 14: Brain Control of Movement	
15	5/27	Chapter 19: Brain Rhythms and Sleep	Lo
	5/28		
16	6/3	Chapter 24: Memory Systems	Chang
	6/4		
17	6/10	Chapter 25: Molecular Mechanisms of Learning and Memory	Chang
	6/11		
18	6/17	Final Exam	