

## 11010DMS 274100 神經生物學 (Neurobiology)

### Lectures:

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**Time:** W7W8 & R6

**Classroom:** 生命科學二館 213

**Textbook:** “Neuroscience: Exploring the Brain 4<sup>th</sup> 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	9/15	Chapter 2: Neurons and Glia	Peng
	9/16		
2	9/22	Chapter 3: The Neuronal Membrane at Rest	Peng
	9/23		
3	9/29	Chapter 4: The Action Potential	Peng
	9/30		
4	10/6	Chapter 5: Synaptic Transmission	Peng
	10/7		
5	10/13	Chapter 6: Neurotransmitter Systems	Peng
	10/14		
6	10/20	Chapter 7: The Structure of the Nervous System	Chang
	10/21		
7	10/27	Midterm Exam 1	
	10/28		
8	11/3	Chapter 8: The Chemical Senses	Lo
	11/4		
9	11/10	Chapter 9: The Eye	Lo
	11/11	Chapter 10: The Central Visual System	
10	11/17	全校運動大會 ( 停課一天 )	
	11/18	Chapter 10: The Central Visual System	Lo
11	11/24	Chapter 11: The Auditory and Vestibular Systems	Chang
	11/25		
12	12/1	Chapter 12: The Somatic Sensory System	Chang
	12/2		

13	12/8	Midterm Exam 2	
	12/9	Chapter 13: Spinal Control of Movement	Lo
14	12/15	Chapter 14: Brain Control of Movement	Lo
	12/16		
15	12/22	Chapter 19: Brain Rhythms and Sleep	Lo
	12/23		
16	12/29	Chapter 24: Memory Systems	Chang
	12/30		
17	1/5	Chapter 25: Molecular Mechanisms of Learning and Memory	Chang
	1/6		
18	1/12	Final Exam	
	1/13		