

## 11210DMS 274100 神經生物學 (Neurobiology)

### Lectures:

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**Time:** W7W8 & R6

**Classroom:** 生命科學二館 113

**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://eeclass.nthu.edu.tw/>

### Schedule:

Week	Date	Topic	Lecturer
1	9/13	Chapter 7: The Structure of the Nervous System	Chang
	9/14	Chapter 2: Neurons and Glia	Peng
2	9/20	Chapter 2: Neurons and Glia (continued)	Peng
	9/21	Chapter 3: The Neuronal Membrane at Rest	
3	9/27	Chapter 4: The Action Potential	Peng
	9/28	教師節 (停課一天)	
4	10/4	Chapter 5: Synaptic Transmission	Peng
	10/5		
5	10/11	Chapter 6: Neurotransmitter Systems	Peng
	10/12		
6	10/18	Midterm Exam 1	
	10/29	No class	
7	10/25	Chapter 11: The Auditory and Vestibular Systems	Chang
	10/26		
8	11/1	Chapter 12: The Somatic Sensory System	Chang
	11/2		
9	11/8	Chapter 8: The Chemical Senses	Lo
	11/9		
10	11/15	全校運動大會 (停課一天)	
	11/16	Chapter 9: The Eye	Lo
11	11/22	Chapter 10: The Central Visual System	Lo
	11/23		
12	11/29	Midterm Exam 2	
	11/30	Chapter 24: Memory Systems	Chang
13	12/6	Chapter 24: Memory Systems (continued)	Chang
	12/7	Chapter 25: Molecular Mechanisms of Learning and Memory	

14	12/13	Chapter 13: Spinal Control of Movement	Lo
	12/14	Chapter 14: Brain Control of Movement	
15	12/20	Chapter 19: Brain Rhythms and Sleep	Lo
	12/21		
16	12/27	Final Exam	
	12/28		