

University of Pennsylvania: Neuroscience Graduate Group

INSC 573: Systems Neuroscience (Neuroscience Core III)

Spring 2007

MWF 10:00am -12:00pm

140 John Morgan Building (Barchi Neuroscience Library)

Course Directors: Mike Nusbaum, Josh Gold

TEXT: Principles of Neural Science (4<sup>th</sup> Edition) Eds. Kandel, Schwartz, Jessell

ADDITIONAL READINGS: As Posted on the INSC 573 Blackboard Site

HANDOUTS: Posted on the INSC 573 Blackboard

Website- <https://courseweb.library.upenn.edu/>

**CORE III SCHEDULE (2007)**

LECTURER	TOPIC	# LECTURES	DATES
Larry Palmer	Introductory Neuroanatomy	1	Jan 10
Noga Vardi	Retina	2	Jan 12, 17
<b>** NO CLASS MEETING- MARTIN LUTHER KING JR. DAY **</b>			<b>Jan 15</b>
Larry Palmer	Striate Cortex	3	Jan 19, 22, 24
Jon Raper	Visual System Development	3	Jan 26, 29, 31
Josh Gold	Extra-Striate Cortex	2	Feb 2, 5
	Auditory	2	Feb 7, 9
	Vestibular, Oculomotor	1	Feb 12

**TAKE-HOME EXAM #1 [FEB 15- FEB 22]**

Diego Contreras	Thalamus and Cortex	2	Feb 14, 16
	Somatosensory/Barrel System	2	Feb 19, 21
	Motor Systems	3	Feb 23, 26, 28
Mike Nusbaum	Spinal Reflexes	1	Mar 2
	Central Pattern Generators	3	Mar 5, 7, 9
Minghong Ma	Olfaction	3	Mar 12, 14, 16

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**TAKE-HOME EXAM #2 [MARCH 19 - MARCH 26]**

Doug Coulter	Synaptic Plasticity	3	Mar 19, 21, 23
Ted Abel	Learning and Memory	3	Mar 26, 28, 30
Sharon Thompson-Schill	Cognition	3	Apr 2, 4, 6
Marcos Frank	Sleep Physiology & Function	3	Apr 9, 11, 13
Harvey Grill/ Lori Flanagan-Cato	Energy Balance, Neuroendocrinology	3	Apr 16, *17*, 20

**\*\*SPECIAL CLASS DAY/NORMAL TIME DUE TO INS RETREAT\*\***

Julie Blendy	Addiction and Reward	3	Apr 23, 25, 27
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**TAKE-HOME EXAM #3 [APRIL 30 - MAY 7]**