

University of Pennsylvania: Neuroscience Graduate Group

INSC 573: Systems Neuroscience (Neuroscience Core III)

Spring 2008

MWF 10:00am -12:00pm

140 John Morgan Building (Barchi Neuroscience Library)

Course Directors: Mike Nusbaum, Josh Gold

TEXT: Principles of Neural Science (4th 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 (2008)

LECTURER	TOPIC	# LECTURES	DATES
Noga Vardi	Retina	2	Jan 16, 18
** NO CLASS MEETING- MARTIN LUTHER KING JR. DAY **			Jan 21
Larry Palmer	Striate Cortex	3	Jan 23, 25, 28
Jon Raper	Visual System Development	3	Jan 30, Feb 1, 4
Josh Gold	Extra-Striate Cortex	2	Feb 6, 8
	Auditory	2	Feb 11, 13
	Vestibular, Oculomotor	1	Feb 15

NOTE: Feb 13 Lecture (Start at 9am)

TAKE-HOME EXAM #1 [FEB 18 - FEB 25]

Minghong Ma	Olfaction	3	Feb 18, 22, 25
Mike Nusbaum	Spinal Reflexes	1	Feb 20
Diego Contreras	Somatosensory/Barrel System	2	Feb 27, 29
Mike Nusbaum	Central Pattern Generators	3	Mar 3, 5, 7
Diego Contreras	Thalamus/Cortex	2	Mar 10, 12
	Motor Systems	3	Mar 14, 17, 19

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TAKE-HOME EXAM #2 [MARCH 21 - MARCH 28]

Marcos Frank	Sleep Physiology & Function	3	Mar 21, 24, 26
Doug Coulter	Synaptic Plasticity	3	Mar 28, 31, Apr 2
Ted Abel	Learning and Memory	3	Apr 4, 7, 9
Julie Blendy	Addiction and Reward	3	Apr 11, 14, 16
Sharon Thompson-Schill	Cognition	3	Apr 18, 21, 22
** SPECIAL CLASS DAY/NORMAL TIME DUE TO INS RETREAT APR 23 **			
Harvey Grill/ Lori Flanagan-Cato	Energy Balance, Neuroendocrinology	3	Apr 25, 28, 30

TAKE-HOME EXAM #3 [MAY 2 - MAY 9]