

## Prosem I 2006

**General Course Information:** PSYC G6001.001 PROSEMINAR I

W 02:10P-04:00P

SCHERMERHORN 200C

### Instructor Information

Peter Balsam

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Office Hours: Tuesday 2-3 PM

**Course Overview** This proseminar will focus on the biological basis of behavioral and cognitive processes. The course will emphasize how to study these processes at multiple levels ranging from evolutionary to molecular perspectives. **Broader Course Themes** a) an emphasis on connecting foundational research from the past with current work and likely directions for the future that might inspire avenues of your own research

b) consideration of the connections between levels of analysis traditionally associated with "behavioral" and "cognitive" neuroscience (i.e., those primarily discussing work with animal models will consider of how this work might inform or at least relate to models of human behavior; those primarily discussing work with humans, will consider how there might be limitations to understanding mechanisms of behavior that might be better revealed with animal models).

**Discussion Questions** To encourage prompt reading and subsequent discussion of the assigned papers, students will be required to:

1) Post a question or a response to someone else's question, related to the assigned reading on the Discussion portion of the Courseworks website (under the appropriate topic theme) before 11:59 pm of the Tuesday before class.

-- The faculty for the course all have access to the website and will review your questions prior to giving their lecture in order to get a sense of the class's understanding of the material, topics that might be likely to stimulate discussion, etc.

2) Feel free to continue the discussion after the class. You may comment on and add to answers that others have posted. This interaction should be very helpful in preparing for the exams. **Helpful web links for improving/refreshing your neuroanatomy** GENERAL

ANATOMY: <http://www9.biostr.washington.edu:80>

BASIC GLOSSARIES OF NEUROSCIENCE AND PSYCHOLOGY TERMS:

<http://faculty.washington.edu/chudler/gloss.html>;

<http://serendip.brynmawr.edu/bb/kinser/Glossary.html>

SEARCH ENGINE FOR NEUROSCIENCE LINKS: <http://www.neuroguide.com/> **Exams** There will be 3 out of class exams scheduled for Friday mornings. Each exam will cover about a third of the course.

Sep-06-06	Session 1	Introduction to course	Balsam
Sep-13-06	Session 2	Brain, Behavior and Cognition	Hirsch
Sep-20-06	Session 3	Behavioral Evolution	Champagne
Sep-27-06	Session 4	Neurobehavioral Development	Champagne
Oct-04-06	Session 5	Pavlovian Conditioning	Balsam
Oct-06-06	Session 6	First Exam 10-12 AM	
Oct-11-06	Session 7	Instrumental Learning	Balsam
Oct-18-06	Session 8	Substance Abuse	Hart
Oct-25-06	Session 9	Memory I	Mangels
Nov-01-06	Session 10	Memory II	Mangels
Nov-08-06	Session 11	Aging: Brain and Cognition	Stern
Nov-10-06	Session 12	Second Exam 10-12 AM	
Nov-15-06	Session 13	Sensation and Perception: Systems	Woolley
Nov-22-06	Session 14	Communication	Woolley
Nov-29-06	Session 15	Language	Terrace
Dec-06-06	Session 16	Evolution of Cognition	Wiedenmayer
Dec-08-06	Session 17	Third Exam 10-12	