

Psych3 – The Biological Basis of Psychology

Lecture 1: **Welcome!**



All you need to know about Psych3...

- Is on-line!!!!!!
- url:
<http://mentor.lscf.ucsb.edu/course/spring/psyc003/>
 - Syllabus (readings, exam dates, holidays)
 - Exam policy and grading scheme
 - Office hours-Dr. Szumlinski & Ms. Ary
 - Grades and scores on exams

Very important dates...

- Exams:
- Parscore (pink sheets)
 - **Exam 1** (40%)-May 5th in class (75 min)
MC/TF questions
 - **Exam 2** (60%)-June 13th 12-3 pm (3 hrs)
MC/TF questions

Exam 2 will be cumulative in the sense that information learned prior to Exam 1 is required in order to understand information learned following Exam 1.

Very important dates...

- "Holidays":
 - April 2nd-Dr. Szumlinski away
 - May 7th-Dr. Szumlinski away
 - May 26th-Memorial Day
- Review Dates:
 - April 30th
 - June 4th
 - Come prepared with intelligent questions
 - "Can you tell us what is on the exam?" is not an intelligent question

Mission Psych3

- **Course Objective:**
 - To introduce you to the **wide** wonderful world of Biological Psychology
 - To “prime” (or prepare) you for upper level basic and cognitive neuroscience courses offered at UCSB
- **Personal Objective:**
 - To assist you in **integrating** and **applying** information about brain and behavior from a variety of disciplines
 - To make science **FUN**

What is Biopsychology?



- “the scientific study of the biology of behavior”
- psychobiology, behavioral biology, behavioral neuroscience
- Branch of psychology: the scientific study of behavior
- **How does the brain control behavior?**

Biopsychology is an integrative discipline

- **Neuroanatomy**
 - Structure of the nervous system
- **Neurochemistry**
 - Chemical bases of neural activity
- **Neuroendocrinology**
 - Interactions between the nervous system and the endocrine system
- **Neuropathology**
 - Nervous system disorders
- **Neuropharmacology**
 - Effects of drugs on neural activity
- **Neurophysiology**
 - Functions and activities of the nervous system

Approach Psych3

- **Read** the required materials before class
 - Highlight key words and examples
- **Come to class** prepared to take notes and listen attentively.
- **Take notes** in class.
 - Take notes on down-loaded overheads
 - Take notes independent of overheads
 - Important, new, information will be in **red**

Approach Psych3 (cont.)

- **Integrate text book and class notes.**
 - **Write out stories** about what you learned in class and from the text → elaborative processing
 - Make **lists or cue cards of the colored words** and what you learned about them
- **Test yourself** as you go
 - Answer the sample questions in the text
 - Pay attention to the "Thinking Critically" tabs in the text
 - Review the objectives for the lecture. Can you accomplish them?
 - If not, that's what office hours are for...

Lecture 1 Objectives

- Define BioPsychology.
- Describe the different subfields of biopsychology and provide an explanation for how each subfield contributes to our understanding of brain and behavior in its own way.



Office Hours

- **Dr. K.**
 - Tuesdays 9:30-11:30 am, Psych East 2816
 - szumlinski@psych.ucsb.edu
 - Email is for making appointments only!!!!
 - Address any content-related questions to Alexis
- **Alexis Ary**
 - Tuesdays 2:30-4:30 pm
 - Psych 1308 (first floor)
 - ary@psych.ucsb.edu
 - Content questions, exam issues, make-up exams/missing exams