

# Biopsychology 304, Spring 1997

Instructor: Scott Doran

email: [smdoran@oregon.uoregon.edu](mailto:smdoran@oregon.uoregon.edu)

Office : 492 Straub Hall

Office hours: M, T, Th, F from 2pm-3pm or by appointment

TAs: Elizabeth McDonald and Burt Sorkey

<u>Date</u>	<u>Reading</u>	<u>Topic</u>	<u>Classwork</u>
April 1	Chapter 1	Biopsychology	
April 3	Section 2.1	Nature vs Nurture Idea	
April 8	Sections 3.4-3.6	Brain Structure	Homework Due (Ch. 1 Q's 1-25 & Essay 1)
April 10	Sections 3.1-3.3	Neuron Structure	
April 15	Sections 4.1-4.4	Action Potentials	Homework Due (Ch. 3 Q's 1-45)
April 17	Sections 4.5-4.7	Neuronal Signaling	Quiz #1 (Ch. 1, 2, 3)
April 22	Sections 5.1-5.4	Brain Imaging	Homework Due (Ch. 4 Q's 1-60 & Essay 1)
April 24	Sections 5.5-5.7	Studying Behavior	
April 29	Ch. 11 & Appendix VII (Skip Sect 11.2)	Hormones	Homework Due (Ch. 5 Q's 1-60 & Essay 1)
May 1	Midterm Exam	Midterm Exam	Midterm Exam
May 6	Sections 12.4-12.6, 12.8	Circadian Rhythms	
May 8	Sect. 12.1-12.3, 12.7-12.11	Sleep	
May 13	Chapter 8.1-8.2	Perception I	Homework Due (Ch. 11 E's 13, 14, 15 Ch. 12 Q's 1-75)
May 15	Sections 8.3-8.6	Perception II	Quiz #2 (Ch. 4, 5, 11, 12)
May 20	Chapter 13 (Skip section 13.3)	Drug Addiction	Homework Due (Ch. 8 Q's 1- 70 & Essay 1)
May 22	Sections 14.1-14.5 & 14.8	Memory	
May 27	Sect. 15.2-15.3 & 14.6-14.7	Learning	Homework Due (Ch 13 Q's 1-15 & 43-54 & Essay 1) (Ch. 14 Q's 1-53)
May 29	Sections 15.1 & 15.4-15.5	Neuroplasticity	Quiz #3 (Ch. 8, 13, 14)
June 3	Sections 16.1-16.3	Lateralization	Term Paper Due
June 5	Section 16.4	Language	
June 11	Final Exam	Cumulative Final @ 3:15 pm	Final Exam

## GRADING

**The Homework** is just to keep you on track and prepare you for the tests and quizzes it is graded 1-10 points (5 points automatic for timeliness and neatness/readability). 2 points off for each day late. Please hand in photocopies (double-sided on recycled paper if possible). Take the practice tests on your own but do not hand them in.

**The Quizzes** are short exams which will be given during the last third of the class time. Prepare for these by reviewing homework, taking the self-tests in the text and thinking about the essay questions in the text and study guide.

**The Exams:** There will be one midterm and a final. In general, the tests to measure your knowledge of the material presented in class with an emphasis on both the concepts and the experimental findings which support these concepts. The final will be half devoted to recent material and half cumulative.

**The Term Paper** is meant to provide you a chance to learn detailed information, provide knowledgeable summaries, and show insight into specific problems or avenues of inquiry relevant to biopsychology. The paper is described in detail on the next page.

**Extra Credit** - Can be gained in two ways (48 points maximum):

1) Participate as a research subject in Psychology Department experiments, 6 points each, maximum of 3. To receive credit, hand in your experimenter credit slip stapled to a one page description of the experimental goals and procedures.

2) Write additional reviews of original research papers in biopsychology, 10 points each possible, maximum of 3. Reviews are mini-papers that are graded according to the term paper criteria. Reviews should not exceed 5 pages, include a copy of the original paper, secondary sources are allowed.

**Final Grades:** Course grades will be determined according these categories:

90%—A, 80%—B, 70%—C, 60%—D, and < 60%—F.

+'s & -'s will be given for scores within 2% of a category boundary

1st Quiz	(April 17)	30
Midterm	(May 1)	130
2nd Quiz	(May 15)	30
3rd Quiz	(May 29)	30
Term Paper	(June 3)	100
Homework	(7 assignments)	70
Final	(June 11)	210
Total Points	600 (not including 48 extra credit points possible)	

## Discussion Sections Schedule - 337 Straub Hall

**Monday 10am-11      Tuesday 4pm - 5      Thursday 3pm - 4.**

There will be three discussion sections held each week, you should plan to attend one a week. These sections will help clarify difficult issues, allow for small group dialog, and help prepare for the exams and quizzes. Section attendance is voluntary (and highly recommended for improving your class grade!). Teaching assistants are also available by e-mail for questions.

Elizabeth McDonald (mcdonald@gladstone.uoregon.edu)

Burt Sorkey (sorkburt@gladstone.uoregon.edu)

### Term Paper

Term Paper evaluation: Write a short paper ( 6-10 pages) detailing a sub-discipline of biopsychology by studying one of the references provided in the text (see pg. 479). Pick a cool topic, find the original paper, consider how this work is a study of how body influences the mind, find ancillary papers as necessary, and write a summary. Candidate references must be 6 pages or longer and you can read and report one or two related papers in your short summary of the topic and the techniques used to study the topic.

An appropriate paper should include the following structural elements:

- \* An introduction which clearly summarizes the issue at hand.
- \* Example(s) of the real-world importance of your issue.
- \* An overview of the research strategies being used to address the question/disorder/...
- \* An analysis section wherein you summarize the findings.

- Papers will be typed, double-spaced, 12pt font, and contain complete sentences with very few typos or misspellings.

- Papers will be scored according to the following sub-categories:

Presentation	15
Structure and Flow	15
Coverage of the topic	20
<u>Understanding of the material</u>	<u>50</u>
Total	100

(Divide all scores by 10 for breakdown of extra credit reviews grading)

### General Class Policies

Grades - If you wish to discuss the grade you receive on any quiz, exam or essay, this must be done within one week after it is returned in class.

Make-up Exams and Quizzes - Must be done within one week of original test and be accompanied by documentation supporting the reason for missed date. Make-up exams will contain different questions than the original test or quiz. Baseball caps cannot be worn during exams or quizzes.

Plagiarism/Cheating - It is hoped that you are all familiar with the University policies on plagiarism and academic dishonesty and understand the consequences of this action. See me if you have any questions or wish to see a copy of the University statement (or read the statement in the registration booklet).