

MIND and BRAIN (PSY 201)
University of Oregon
Spring 2006

Instructor: **Dr. Jagdeep Kaur-Bala**
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Classroom: **Prince Lucien Campbell 180**
Time: **2:00-3:20 pm MW**

Office Hours: **9:00 – 10:00 am Monday/Wednesday**
(& by appointment)

Lab Instructors:

Annemarie Cholankeril	341 Straub (x6-4959), acholank@uoregon.edu
Cara Lewis	392 Straub (x6-0821), clewis@uoregon.edu
Elisabeth Conradt	392 Straub (x6-0821), econradt@uoregon.edu

Course website: <http://blackboard.uoregon.edu> **PSY 201 (Spring 2006; 37203), Mind and Brain**
Please notify me if you have difficulty logging into the site. This site will provide supplemental information for the course (syllabus, course outline, grades, copies of lecture slides/overheads, etc.).

General Course Description: This course covers different experimental approaches to the study of the human mind and brain. Topics covered include the organization of the nervous system, sensation, perception, attention, learning, memory, and cognition.

Required Text: *Psychological Science* by Michael S. Gazzaniga and Todd F. Heatherton, 2nd edition is required. Please notify me immediately if you have difficulty obtaining the text from the bookstore. (a copy of the text is on reserve in the Knight Library)

Course Format: The material in this course will be presented through a combination of assigned readings from the text, class lectures, in-class discussions, and demonstrations. In addition, laboratory sessions will be used to include experimental research methods. Lecture material and readings will have some overlap, but will not be replications of each other; some lecture material will not be covered in the readings and vice versa. You are expected to do the assigned reading **before** the class period in which it is due. Reading the material before the corresponding lectures will help your performance in two ways. Discussions of the material during lecture will be more fruitful if you have at least a general understanding of the material beforehand, helping you to ultimately comprehend and retain the material. Each of the non-lecture parts of the course (discussions, texts, presentations, movies) are designed to reinforce ideas and augment concepts presented in lectures. Questions are encouraged in all parts of the course and students are welcome to stop by my office for questions and/or discussions during my office hours or additional appointments. It is my hope that by the end of this course you will have a new appreciation for how you interact with the world (and how it influences your behavior).

Grading: Your final grade will be based on 4 Exams (60% total), the Lab grade (30%), and the experimental subject obligation (10%). The grades for each exam and for the Lab are determined on a curve. The final grade is an average of performance on the best 3 of the 4 exams (your lowest score will be dropped; each of the remaining 3 exams will count for 20% of your grade), the lab grade (which counts for 30% of your grade), and the experimental subject obligation (10% of your grade). You must complete all exams, the Lab section, as well as your experimental subject obligation (see "Psychology Department Research Requirement") in order to receive credit for the course.

Exams (60%): There will be 4 multiple choice examinations. Each exam will cover material from the lectures and reading assignments for the period immediately preceding the exam. No overall comprehensive final exam is required.

No makeup exams will be given. It is to your benefit to take all the exams. However, if you miss an exam for a legitimate reason (e.g., you are sick) and take the other 3 exams, the score for the missed exam (0%) will be dropped from the average. A make-up exam will be given only in the rare event that you miss 2 exams and have a legitimate excuse for both absences. In this case, you will need to present documented excuses (e.g., doctor's excuse, court order, executive order!) for *both* missed exams in order to make up the second missed exam.

As an additional incentive to take all 4 exams, 2 points will be added to your final score if all 4 exams have been completed each with a score of 50% or higher.

Lab/Discussion Sections (30%): Part of the requirement for the course is to participate in lab sections. Each week an experiment/demonstration will be performed that will elaborate on some of the class material. *There are no labs scheduled during the first or last week of classes.* You will receive a lab syllabus and description of lab requirements in your lab section.

Psychology Department Research Requirement (10%): The psychology department requires that all students enrolled in introductory courses (201 and 202) participate in psychology research (*if you do not complete this requirement, you will receive an Incomplete for the course*). Specifically, you are required to participate in 4.5 hours worth of experiments, over the course of the term. More information about this requirement will be provided in class -- you will be given a separate handout with more details. It is a good idea to complete your experimental subject obligation as early in the term as possible, since experiments are sometimes hard to find later in the term. If you do not wish to participate in experiments, you may write a research paper instead. See your lab instructor to arrange for this option.

What about extra credit? You can earn up to 4 points in extra credit in various ways (see below). These points will be **added to your final grade** at the end of the class. So, if you get an 80% with all of your work, and you do 4 points of extra credit, your final score will be 84%. You may:

- Attendance is taken in a small, random subset of the classes and is awarded extra-credit. [**1-2 points**].
- Students who take all 5 exams (see 'Exams', above), will be awarded extra-credit if each of the 4 exams is completed with a score of 50% or higher. [**2 points**]

Due Dates: All due dates are final. An assignment turned in after its deadline will be marked down 5% for each day late.

Students with Disabilities: If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with the instructor as soon as possible. Also, please request that the Counselor for Students with Disabilities (Molly Sirois, sirois@uoregon.edu , tel. 346-1073, TTY 346-1083) send a letter verifying your disability.

Students for whom English is a Second Language: If you are a non-native English speaker and think you may have trouble in this course due of language difficulties, please see the instructor as soon as possible to make special arrangements.

Academic Honesty: All work submitted in this course must be your own. For the consequences of academic dishonesty, refer to the Schedule of Classes published quarterly. Violations will be taken seriously and are noted on student disciplinary records. If you are in doubt regarding any aspect of these issues as they pertain to this course, please consult with the instructor before you complete any relevant requirements of the course. (For more information, see the UO web site regarding academic honesty at: <http://darkwing.uoregon.edu/~conduct/>).

Course Outline: This is only a working draft of the course outline; it will be revised as the term progresses. **Dates on which particular topics are to be presented in lecture are subject to change, as are reading assignment due dates; however, I will not change the dates of exams or other deadlines unless absolutely necessary.** The official updated version of the outline will reside on the Blackboard web site.

Version Updated: 3/22/2006 12:00 PM

Date	Topic	Readings Book chapters (<i>focus pages</i>)
3-Apr	Syllabus and Introduction	Ch. 1 (20 -33)
5-Apr	Research Methods	Ch. 2 (37-70)
10-Apr	The Nervous System - Neurons and How they work	Ch. 3 (87-113)
12-Apr	Organization & Development of the Nervous System	Ch. 4(120 – 140); Ch. 11 (444 - 477)
17-Apr	Exam #1	
19-Apr	Sensation – Psychophysics, Sensory processes	Ch. 5 (159 -172)
24-Apr	Sensation – Visual system	Ch. 5 (172 -181)
26- Apr	Perception – Object Perception	Ch. 5 (182 -192)
1-May	Perception - Depth, Motion & Size Perception	Ch. 5 (192 -200)
3-May	Exam #2	
8-May	Attention & Consciousness	Ch. 5 (200 -206); Ch. 4 (140 -146)
10-May	Learning & Reward	Ch. 6 (212 - 218 & 231-243)
15-May	Plasticity	(<i>lecture slides & class notes</i>)
17-May	Memory	Ch. 7 (251 - 275)
22-May	Exam #3	
24-May	Language & Cognition	(<i>lecture slides & class notes</i>)
29-May	No class	(Memorial Day)
31-May	Brain & Behavior	Ch. 9 (344 – 348 & 364 - 378); Ch. 8 (408 - 425)
5-June	Disorders of the Mind & the Brain	(<i>lecture slides & class notes</i>)
7-June	Exam #4	