

## Psychology 201: Mind and Brain

Winter 2015 (CRN #25157), Mon/Wed 5:00-6:50, 150 Columbia

**Instructor:** Dr. Margaret Sereno

330 LISB, 346-4915, [msereno@uoregon.edu](mailto:msereno@uoregon.edu)

**Office hours:** Wed 4:00-5:30 or by appointment

**Graduate Teaching Fellows (GTFs):**

**Candice Mottweiler**, 336 Straub, [cmottwei@uoregon.edu](mailto:cmottwei@uoregon.edu)

Office hours: Tue 3:45-4:45 and Wed 3:00-4:00 or by appointment

**Jeffrey Peterson**, 232 LISB, [jpeters7@uoregon.edu](mailto:jpeters7@uoregon.edu)

Office hours: Tues 12:00-2:00 or by appointment

**Dorianne Wright**, 339 Straub, [deganwr2@uoregon.edu](mailto:deganwr2@uoregon.edu)

Office hours: Wed 12:00-2:00 or by appointment

If you think you have a question that could be answered by the teaching assistants, please try them first. If your last name begins with A-I, contact Candice Mottweiler; if your last name begins with J-Q, contact Jeffrey Peterson; if your last name begins with R-Z, contact Dorianne Wright. Contacting your *assigned* GTF is preferred, but feel free to attend the office hours that work best for you if your schedule is constrained.

**Course Content:** Mind & Brain is part of a two-course sequence (with Mind & Society, PSY202) that provides an overview of introductory psychology. This course covers 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 language.

**Course website:** <http://blackboard.uoregon.edu> This site will provide important supplemental information for the course (syllabus, reading, lecture slides, study guides, grades, etc.).

**Required Materials:** *Psychological Science* by Gazzaniga, Halpern, & Heatherton (2013, 4<sup>th</sup> edition). In addition, supplemental reading is posted on Blackboard in PDF format. A copy of the text is on reserve at the Knight Library (available for a 2 hour checkout period). The publisher of your textbook maintains a web site for students ([www.wwnorton.com/college/psych/psychsci4/](http://www.wwnorton.com/college/psych/psychsci4/)), containing chapter reviews, flashcards, practice quizzes and other resources to help you master the material in the textbook.

*ZAPS Online Labs* provide online lab activities that supplement the material that is discussed in the text and lecture. You must use the access code provided to register with the ZAPS website (see below). ZAPS assignments will be due every week throughout the term.

*IClickers:* IClickers are small hand-held transmission devices that allow you to provide an immediate response to questions I pose in class. They are sold at the UO Bookstore. It is very important that you bring your iClicker with you to *every* class! You will need to follow directions on Blackboard under "Course Information" to register your iClicker.

**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, on-line laboratory assignments will be used to explore 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 – 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, readings, demonstrations, movies, on-line labs) is 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 with questions and/or discussions during office hours, or by appointment.

It is my hope that by the end of this course you will have a new appreciation for how you perceive and interact with the world and how the world influences your behavior.

**Grading:** Your final grade will be based on *4 Exams* (70% of the total grade), the *ZAPS Online Lab grade* (20%), the *Class Participation and Attendance grade* (5.5%), and the *Research Participation grade* (4.5%). The final grade is an average of performance on the 4 exams (your lowest exam score will count for 10% while the other 3 exams will count for 20% each), the online lab grade (which counts for 20% of your grade, excluding your lowest 3 scores which will be dropped from the average), the class participation grade (5.5% of your grade), and the research participation grade (4.5% of your grade).

**Exams (70%):** 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 given. Your lowest exam score will count for 10% while the other 3 exams will count for 20% each. **No makeup exams will be given without a valid, excused absence.** You will need to present a documented excuse (e.g., doctor's note, court order, or documented athletic events such as away games for student athletes) for a missed exam in order to take a makeup exam. The documented excuse must be presented before (if possible) or ASAP following the exam. **Makeup exams will be administered during the final exam period to only those students with previously excused absences.**

**Online Labs (20%):** Part of your experience with this class will be an online component in which you perform activities associated with the material covered during lectures. Most of the activities will be delivered through a web-based program called ZAPS. You will need to register with ZAPS, using the class ID (AQ6W75U5) and your student ID number so you get credit for doing the activities (if you have difficulty with registering, or running any of the ZAPS labs, you can get live chat support from the publishers at [support.wwnorton.com](http://support.wwnorton.com)). Many of these activities consist of participation in a short experiment (on the ZAPS website) followed by a few online questions (administered on Blackboard). You do ZAPS assignments on your own time, outside of class. The associated Blackboard quizzes will be active sometimes only for a short time (a few days), **with a deadline for completing the quiz each Friday (starting in week 2) at midnight (see the ZAPS Labs Schedule for details).** Your Online Lab Grade will be based on participation in the experiments and correctly answering the associated quiz questions. To allow for occasional absences or less-than-stellar performance, the 3 lowest quiz scores will be dropped from the average – *no makeup quizzes will be provided.*

**Class Participation and Attendance (5.5%):** Although this is a large class, technology has created ways for me to get some idea of what you're thinking and whether topics are clear to you. Periodically, during class, I will ask questions and you will answer with your iClicker. If you are in class when the questions are asked, you will get participation points for answering. Unless otherwise announced, I will use the iClicker answers only to tell me more about overall class understanding or as a tool for class demonstrations. The number of iClicker questions per class will vary; your attendance grade will be determined by the percentage of clicker questions you complete. (In order to get 100% of participation points, you will not be required to answer all 100% of the clicker questions throughout the term; I anticipate answering about 90-95% of them will be considered full points.)

**Research Participation (4.5%):** Part of this course is learning about research being conducted in the field of psychology. One of the best ways for you to learn about psychology research is to experience it firsthand by participating in some of the high quality psychology research being conducted at the University of Oregon. Psychology and Linguistics researchers run many experiments on varied topics (e.g., perception, attention, memory, language, psychological coping, social interaction). To participate in experiments, you can sign up on an electronic bulletin board at: <http://uopsych.sona-systems.com>. During your first visit to the site, you will create an account, with a username and password. Once logged in, you will find a list of studies that are available to you as well as the time

and location of each study (some can be completed online). After participating in a study, you will be electronically credited for the time allotted for that study. Studies range in length from ½ hour to several hours, with one hour of participation equal to one credit. To complete the research requirement, you will need to complete 4.5 credits worth of studies. For further information, see the slides from the PowerPoint presentation about being a research participant on the course Blackboard site, or email the Human Subjects Coordinator (Bill Schumacher, [hscoord@uoregon.edu](mailto:hscoord@uoregon.edu)) with questions. More details about participating in research studies will be provided in class.

For ethical reasons, the university and I can neither force you to participate in research studies, nor would we wish for you to be uncomfortable participating in studies. For this reason, there is an alternative assignment that you can do that involves signing up in advance for 2-hour timeslots to come to the Psychology Department to read psychology research articles and write an essay about them. There is also a 1/2 hour tutorial you can complete, so that doing two of the article reading sessions, plus the tutorial, will equal the same 4.5 hours of time as participating in studies. For more details about completing this alternative, please contact the Graduate Teaching Fellows.

**IMPORTANT NOTES:**

- If you fail to show up to TWO studies without good reason, you will not be allowed to participate in research studies as a way to complete your research requirement. You will instead be required to complete your research requirement by doing the alternative assignment.
- All students must complete the research requirement to get a grade in the course. If you do not complete the requirement, you will receive an incomplete in the course until you do. If you do not complete the requirement within a year, the incomplete will be changed to a failing grade in the course, as required by the university registrar.
- Two of the 4.5 hours of the research requirement must be completed by **midnight on Friday, Feb. 6**. The other 2.5 hours must be completed by **midnight on Friday, March 13**. *PLAN AHEAD:* To complete the research requirement, you must schedule your time slots in advance. A failure to schedule timeslots for completing the research requirement in time for both the midterm and end-of-term deadlines will result in a permanent loss of the points in the course.

**SUMMARY OF GRADED ACTIVITIES - Percentage of Final Grade:**

4 in-class Midterms, (20% each, except 10% for the lowest score) = 70%

ZAPS online activities = 20%

Participation and Attendance = 5.5%

Research Requirement (4.5 hours) = 4.5%

----- = 100% Total

Letter grades will be determined as follows: A (90 - 100% of total possible points), B (80 - 89%), C (70 - 79%), D (60 - 69%), F (0 - 60%). However, I reserve the right to relax (but not stiffen) these criteria by lowering the grade cutoffs, depending on the actual distribution of grades.

**Electronic Access:** You have up to FOUR different kinds of “logging in” for this class. Here’s a summary and quick reference:

- 1) To access **Blackboard** (<https://blackboard.uoregon.edu>), for course information, online ZAPs quizzes, and grades, use your “Duck ID” (the first part of your uoregon email address, minus the “@uoregon.edu”) and password.
- 2) To access **ZAPS**, to do the online activities, you first need to register with Norton Publishers ([www.wwnorton.com/gateway/register.asp?site=zaps](http://www.wwnorton.com/gateway/register.asp?site=zaps)), which will require the registration code that you purchased from the bookstore and also the ZAPS class ID for THIS CLASS (AQ6W75U5). After registering, you will log in using your email and the password you create. Go to the “About Me” section and enter both the ZAPS class ID and also your student ID number (9-digit number, probably begins with 951 or 950). Make sure that you type in your name where it says “Full Name,” preferably the same way your name is listed in Duckweb. *Please register before **Jan. 16** to ensure that you receive credit for your work.*

- 3) To register your **iClicker**, follow the directions on the PSY 201 Blackboard site (on the course toolbar). Use your "Duck ID". The clicker ID can be found on the clicker itself (if the clicker ID number is unreadable, consult with me). If you have previously registered your iClicker on Blackboard, you should not need to register it again. *Please register before Jan. 16 to ensure that you receive credit for your work.*
- 4) To register for **SONA** for participating in research studies to satisfy the research requirement, you need a SONA ID, which you can get by following the directions on the SONA website ([uopsych.sona-systems.com](http://uopsych.sona-systems.com)). If you registered on SONA in a previous term, you will *not* need to register again – your old SONA ID and password will still work. If you are not 18 years old yet, or would prefer to satisfy the research requirement by completing the alternative assignment, you will not need to register with SONA

**Classroom Etiquette:** This is a very large class. Students in large classes often believe they are invisible, that they will not be noticed, and that any one's individual behavior does not count. *This is not true!* You can make a difference by listening attentively, asking questions, and contributing to discussions. Just as actively engaged students have a positive influence on the classroom environment, activities like talking to your neighbor, texting, coming late, leaving early, personal grooming, reading the newspaper, sleeping, surfing the web, or cell phone use can be extremely disruptive. PLEASE make sure that you and your fellow students get the most from this course by abstaining from such activities. Cell phone use (for texting, calls, or web surfing) is prohibited (also, please silence your ringer before each class). Laptops can be used only for taking notes (no web surfing, checking Facebook, etc.), and they are highly discouraged even for that purpose. If I find that your activities are distracting me or your fellow students, I will call you out on it, and repeated warnings will be accompanied by dismissal from the course.

**Students Needing Accommodations for Accessibility:** If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with me as soon as possible. Also, please request that a counselor at the Accessible Education Center ([uoacc@uoregon.edu](mailto:uoacc@uoregon.edu), tel. 541-346-1155) send a letter verifying your disability and needed accommodations. For a list of resources provided by the Accessible Education Center, please see [aec.uoregon.edu](http://aec.uoregon.edu).

**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 me as soon as possible to make any necessary special arrangements. If you think you may need to use a dictionary for in-class exams, you must ask to have your dictionary checked by me or one of the GTFs prior to the exam. Electronic dictionaries are not permitted.

**Academic Honesty:** All work submitted in this course must be your own. Violations will be taken seriously, and are noted on student disciplinary records. If you are caught cheating, you will receive a 0 on the assignment; you may also receive a failing grade for the course. 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 student conduct, [uodos.uoregon.edu/StudentConductandCommunityStandards/AcademicMisconduct.aspx](http://uodos.uoregon.edu/StudentConductandCommunityStandards/AcademicMisconduct.aspx).

## Course Outline:

<b>Week&amp;Day</b>	<b>Topics</b>	<b>Readings</b>
1 1/6 1/8	Introduction + History Research Methods	Chapter 1 Chapter 2
2 1/13 1/15	The Nervous System The Nervous System	Chapter 3--Neurons & Nervous System Organization (pp. 73-93); Cerebral Cortex (pp. 93-104) Chapter 5--Consciousness (Split Brain – pp. 181-194; Effects of Drugs – pp. 211-219)
3 1/20 1/22	The Nervous System <b>EXAM #1</b>	Chapter 3--Brain Plasticity (pp. 117-127) + Pdf (posted on Blackboard)
4 1/27 1/29	Sensation Sensation	Chapter 4--Psychophysics (pp. 131-139) + Sensory Processing (pp. 139-158) Pdf posted on Blackboard--Neural Coding
5 2/3 2/5	Perception Perception	Chapter 4--Depth Perception (pp. 159-176) Chapter 4--Perceptual Processes (pp. 159-176)
6 2/10 2/12	<b>EXAM #2</b> Attention	Chapter 7--(pp. 273-279)
7 2/17 2/19	Learning Learning	Chapter 6 Chapter 6
8 2/24 2/26	Memory <b>EXAM #3</b>	Chapter 7--(pp. 267-273 & 279-288)
9 3/3 3/5	Memory Language	Chapter 7--(pp. 287-313) + Chapter 8--(pp. 319-324) Pdf posted on Blackboard--Basics
10 3/10 3/12	Language <b>EXAM #4</b>	2 Pdfs posted on Blackboard--Aphasia+Ape Language
11 3/17	<b>*Makeup EXAMS</b>	<b>7:15pm Tuesday of Finals Week in 150 Columbia</b>

---

**\*Note:** There is no Final Exam (pre-approved Makeup Exams are given during the Final Exam slot).

### Other Important Due Dates:

Friday **Jan 16 at midnight:** You must register your iClicker on Blackboard & for ZAPs on the ZAPs website.

Friday **Feb 6 at midnight:** Two of the 4.5 hours of the research requirement must be completed.

Friday **March 13 at midnight:** The other 2.5 hours of the research requirement must be completed.

### Online Lab (ZAPS & Book) Quizzes Schedule:

Go to the ZAPS website to access and complete the ZAPS labs and to Blackboard to take the associated quizzes. All quizzes open at 6:00pm on the scheduled opening day and close at midnight on the due date (the **due date** is always on a **Friday at midnight**). The lab schedule is set up to correspond with similar topics discussed in class.

Quiz#	Week	Lab	*ZAPS	Opening Date	Due Date
1	2	Basic Statistics	No	T Jan 13	F Jan 16
2	2-3	Synaptic Transmission	Yes	TH Jan 15	F Jan 23
3	2-3	Split-Brain	Yes	"	"
4	4	Lateral Inhibition	Yes	T Jan 27	F Jan 30
5	5	Ponzo & Ames (2 labs)	Yes	T Feb 3	F Feb 6
6	6	Stroop	Yes	T Feb 10	F Feb 13
7	6	Spatial Cuing	Yes	"	"
8	6	Visual Search	Yes	"	"
9	7	Classical Conditioning	Yes	T Feb 17	F Feb 20
10	8	Memory Span	Yes	T Feb 24	F Feb 27
11	8	Iconic Memory	Yes	"	"
12	9	Mental Rotation 2-D	Yes	T March 3	F March 6
13	9	Encoding Specificity	Yes	"	"
14	9-10	False Memory	Yes	TH March 5	F March 13
15	9-10	Sentence Verification	Yes	"	"

**\*Note:** A “No” indicated under the “ZAPS” column means that you should consult your class notes and book rather than accessing ZAPS to answer the quiz questions. A “Yes” means that the assignment is a ZAPS lab.

**Note:** Your lowest 3 quiz scores will be dropped.