

MIND and BRAIN (PSY 201) SUMMER 2018
University of Oregon

Instructor: **Dr. Jagdeep Kaur-Bala**

jagdeep@uoregon.edu

Office Hours: By appointment only

Teaching support:

Graduate student teaching assistant is also available to help students with most questions and concerns.

Grace Binion, Teaching Assistant, ghicks7@uoregon.edu **Off.Hrs: by appointment only.**

Additional Teaching support:

Marcus Mayorga, Human Subjects Coordinator, hscoord@uoregon.edu, Off. Hrs. by appointment only.

This syllabus is rather long, read it all!! Familiarizing yourself with the course requirements will be one key to success in this class!

Course website: <http://canvas.uoregon.edu> ***The is a web course*** and will be managed entirely through **Canvas**. All registered students have access with their UO computer account username and password. If you have problems accessing your canvas account, please contact the Information Technology Center in Knight Library (canvas@ithelp.uoregon.edu, phone: 346 3053).

General Course Description: This course is part of a 2 term sequence and together with Mind and Society (PSY202) covers an introduction to psychological science. You will learn about different experimental approaches to the study of the human mind and brain. Topics covered include brain structure and function as related to behavior. We will discuss contemporary understanding of states of consciousness as well as sensation, perception, attention, learning, memory, and cognition. 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 your experiences influence your thoughts and behaviors.

Learning Objectives: Students fully engaged in the course will learn about the scientific basis of cognitive psychology. Each aspect of the course – readings, assignments, and tests – is designed to help you hone your study skills, develop scientific reasoning and critical thinking while learning core concepts in neuroscience and psychology. By the end of this term, you should be able to –

1. Gain foundational knowledge of major theories, research findings and methodological approaches to understanding brain mechanisms and neural correlates of perception, learning, memory, and cognition. Towards this end, readings and discussions focus on neural correlates of cognitive abilities.
2. Become familiar with scientific methods in psychology. You will participate in as well as read about empirical research in the field.
3. Enhance your self-study and scientific discussion skills
 - a. you will explore many critical concepts in depth for yourself through guided reading and video response exercises as well as discussion assignments.
 - b. you will share your findings and ideas with your peers through discussion boards

Course structure: Each week, you will be presented a lesson plan that will contain 1-5 short lecture videos, associated readings and assignments (e.g. online labs, reading response questions), and a graded quiz. There may also be additional materials like web videos or online resources and practice quizzes to go with the learning objectives for that week. Lecture material and readings will have some overlap, but will not be replications of each other; often, significant parts of the readings will not be discussed in the lecture videos, instead new or detailed

materials that are not included in textbook readings will be presented to augment the readings. Discussion and exploration of experimental research methods will be included for all topics with ZAPS labs and through self-study lab assignments. **The weekly checklist will give you a detailed list of activities and assignments for each week.**

Required Text and Materials: Please notify me immediately if you have difficulty obtaining any of these materials from the bookstore –

Psychological Science by Michael S. Gazzaniga, Todd F. Heatherton and Diane Halpern(**GHH**), 5th edition. This book is also available as an e-book.

ZAPS labs access code: You will also need **access to the online ZAPS labs**, as well as to **InQuizitive**, an adaptive learning platform from WW Norton. Access code to both ZAPS and InQuizitive is available packaged with the new textbook or ebook at no additional cost. In case you choose to buy a used copy of the textbook, you can purchase access to both separately from the bookstore (or from <https://digital.wwnorton.com/psychsci5>).

If you have used ZAPS labs or InQuizitive in a previous term within a year (for Psy202) you do not need to purchase it again.

Office hours: The instructor and TA for this course are available to answer questions via email. **We will make every attempt to answer all emails within 24-36hrs of receiving them. Emails received after hours on Friday will receive responses no later than the following Monday.** **Students are encouraged to request office hour appointments for one-on-one discussions via Skype, google hangouts, or by phone.** To request an appointment, please send an email with several times when you can be available online within the next few days.

Grading: Your final grade will be based on the sum of your scores for the following

Midterm exam (exam1)	- 25%
Weekly Concept checks / InQuizitive scores	- 25%
Discussion boards	- 10%
Research participation	- 9%
Online (ZAPS) Labs	- 6%
Final exam (exam2)	- 25%
TOTAL :	- 100%

You must complete all required exams, concept checks, as well as your lab and research participations (see “Psychology Department Research Requirement” addendum at the end of this syllabus) in order to receive credit for the course. While individual tests and assignments are not curved, final grades may be assigned based on a curve, if needed. Typical grade cutoffs are 90-100 for an ‘A’, 80-89.9 for a ‘B’, and so on. **It is anticipated that you will need to spend a substantial amount of time each week to do well in this course. I recommend you refer to the Psychology Department’s “Best Practices for students” webpage at:** <http://psychweb.uoregon.edu/undergraduates/guidelines/students> prior to starting your coursework.

Exams (25% of final grade): Please note: **EXAMS CAN NOT BE COMPLETED ON CANVAS!** There will be 2 multiple-choice type examinations. Each exam will cover material from the lectures and reading assignments for the period immediately preceding the exam. **NO makeup exams will be given.** Exams are administered through the Social Sciences Instructional Lab (SSIL) and distance education. Please login in to <https://distanceeducation.uoregon.edu/> and follow all instructions to set up your exams. Additional directions and instructions are posted on Canvas. Briefly, on-campus students can arrange to take exams at SSIL for free, students in Portland can take exams at the White Stag building for free, **off-campus students outside the Eugene-Portland will need to arrange to take their exams at remote testing sites or with an approved remote proctor** (also an option for students abroad). **Each exam period spans 2 weeks; weeks 4 and 5 for the exam 1 and weeks 7 and 8 for the exam 2.** **You may schedule your exam anytime during this period, but no later than the due date.** Please be sure to give yourself enough time to

both complete all materials covered in each of the exam as well as study for the exam. Please be sure to schedule your exams early in the term as testing is available on a first come first serve basis.

Online Labs (6% of final grade): Part of the requirement for the course is completion of online labs activities. Labs are experiments, demonstrations or explorations of experimental methods in psychology designed to help you elaborate on some of the class material and learn critical thinking and analytical skills. Labs may be online ZAPS labs or non-ZAPS explorations. The non-ZAPS labs may require offline work. **All lab instructions, assignments and due dates will be posted on Canvas.** To receive credit, all lab activities for the week should be completed by midnight on Sunday of the week in which they are assigned.

Weekly concept checks (25% of final grade): Each week you will be responsible for taking a quiz on Canvas or completing a quiz activity online (InQUIZitive). These concept checks are based on the weekly lessons, readings and activities (be sure to complete labs before taking the quiz!). For canvas concept checks, you will have one attempt of 2 hours to complete each once it is started. For the InQUIZitive online quizzes, you can take as much time as you like, but will have a target score to complete. Instructions for each will be posted in the weekly module on Canvas. All concept checks are available after Monday of each week and due by midnight on Sunday of that week. Concept check grade is based on the cumulative score for all quizzes.

Participation and Discussion (10% of final grade): All students are expected to participate actively in discussion and complete all responses to the exercises that go with course materials. Discussion forums will be available on Canvas, each with a specific due date. Discussion boards are moderated by the instructor and the GTF throughout the term but students will be expected to generate both questions and answers relevant to the concepts from the readings and the lessons. Participation in discussion will be graded mostly on effort: the more effort and thoughtfulness you put into your discussion, the more likely you will earn full credit. In addition, instructors will post exercises and discussion questions, responses to which will be graded for participation credit. About half of the participation credit is for participation in discussion and half for completion of the exercises.

Psychology Department Research Requirement (9% of final grade): The psychology department requires that all students enrolled in introductory courses (201 and 202) get 4.5 hours of research experience. Students may get valuable research experience by participating in Psychology and Linguistics departments' human subject pool. You will need to **participate for 4.5 hours worth of human subjects pool experiments**, over the course of the term. To participate in experiments, you can sign up on an electronic bulletin board at: uopsych.sona-systems.com More information about the Human subject pool will be provided in the second class of week 1, as an addendum to this syllabus and posted on Canvas. An alternate research assignment will be provided for students who **do not** wish to participate in experiments. These students may fulfill the research requirement by reading research articles to gain knowledge of research methods. You will need to read 4 research articles and summarize the research you have read about in two 2-hour sessions as well as complete a half-hour research ethics training for this option. To participate in this option you will need to contact your GTF. More information and the reading list of research articles will be provided by your TA individually to you, if you choose this alternate assignment.

Students who do not complete their research requirement will be awarded an **'incomplete'** for the course. To avoid an incomplete, please schedule sessions early in the term. Please be aware that scheduling your participation also depends on the number of studies available at different times during the term. In the past, students who began late have often encountered scheduling problems and have been unable to do all the experiments.

In either case, you are required to complete half of your research requirement (2 hours of participation) by midnight on **Friday of week 4** and the second half of your research requirement by midnight on **Friday of week 8.**

What about extra-credit? Students who complete all weekly quizzes with a score of 50% or higher will be awarded 1% point of extra-credit. Consistent, thoughtful discussion responses may also be awarded extra-credit. All extra-credit accrued will be added to your final score at the end of the term.

Due Dates: Typically, labs, concept checks, and discussion responses are due on Sunday at midnight of the week in which they are assigned. Specific due dates will be posted on Canvas along with each module and assignment. Due dates for assignments and exams are not changed, except in very rare cases where they may be extended (but never forwarded). **An assignment turned in after its deadline will be marked down 5% for each day late.**

Accessibility, Diversity and Inclusivity

It is the policy of the University of Oregon to support and value diversity. It's also personally important to me that my classes are accessible to all and respectful of diversity, including diversity in race, ethnicity, gender, sexuality, disability, socioeconomic status, religion, culture and ideology. It is imperative to me that all students feel welcome in my classes. Please contact me if you have any concerns during the term, especially for the following cases:

Students with disabilities: If you have a documented disability and anticipate needing accommodations in this course, please make arrangements with me early in the term. *The University of Oregon is working to create inclusive learning environments. Please notify me if there are any aspects of instruction or design of this course that result in disability-related barriers to your participation. You are also encouraged to contact the Accessible Education Center (formerly Disability Services) in 164 Oregon Hall at 346-1155 or uoaec@uoregon.edu.* Also, please request that an AEC adviser to send a letter verifying your disability and accommodation needs.

Students for whom English is a Second Language: If you are a non-native English speaker and think you may have language difficulties or need assistance, please contact me as soon as possible to make special arrangements. I do not allow *electronic* translators/dictionaries during tests but will make every effort to help you understand the materials throughout the term.

Students with financial hardship: If you are a student experiencing financial hardship and do not have access to notebooks, pencils, and other imperative resources to succeed in this course, please talk to me within the first 2 weeks of the term for assistance. We can work together to ensure you find the resources & time you need.

Academic Honesty: **Cheating will NOT be tolerated in any form in this class.** I assume that all students are familiar with the regulations stipulated in the UO Student Conduct Code (<http://conduct.uoregon.edu>). Violations of the Student Conduct Code are taken extremely seriously. Specific violations include (but are not limited to) :

- Using or providing prohibited assistance during exams. All exams in this course are **closed-book**. You are not permitted to use any materials during the exams. Books, notes, computers, cell phones, headphones, etc., should be closed and put away.
- Plagiarism. This includes improper use of words and ideas. All work submitted in this course must be your own and must be original for this course. You may be required to submit writing assignments to **VeriCite**. VeriCite is a software tool designed to help students avoid plagiarism and improper citation. For more information on VeriCite refer to guidelines on Canvas. By enrolling in this course you grant the instructor permission to submit your work to VeriCite or some other plagiarism analysis and detection program.

For consequences of academic dishonesty, refer to the Schedule of Classes published quarterly. If your responses on assignments are suspected of plagiarism or if a proctor has any reason to be uncomfortable about your conduct during a test, they may ask you to move seats, confiscate your test and/or mark an “F” for that test/assignment. All violations will be taken seriously and are noted on student disciplinary records (*Please note: Reporting of suspected Academic Misconduct is MANDATORY -- required by the university. It is NOT at the discretion of the instructor!*) If you are in doubt regarding any aspect of these issues as they pertain to this course, please consult with the instructors before you complete any relevant requirements of the course. (For more information, see the UO web site regarding academic honesty at: <http://uodos.uoregon.edu/StudentConductandCommunityStandards/AcademicMisconduct/tabid/248/Default.aspx>).

Course Outline: This is a working draft of the course outline; it may be revised as the term progresses. **Dates on which particular topics are to be presented in lessons 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 Canvas web site. **Version Updated: 6/20/2015 3:27 PM**

Date	Topic	Readings Book chapters
Week 1	Syllabus and Introduction	Ch. 1
	Research Methods	Ch. 2
Week 2	Brain Basis of Behavior	Ch. 3
Week 3	Sensation and Perception	Ch. 4
Week 4	Learning	Ch. 6
	<i>Midterm exam (Chapters 1- 4) period starts on Monday of week 4. 2 hours of research participation due on Friday of week 4.</i>	
Week 5	Attention	Ch. 7
	MIDTERM EXAM DUE by Friday (Chapters 1- 4) of week 5	
Week 6	Memory: Knowledge	Ch. 7.
Week 7	Thinking	Ch. 8
	<i>Final exam (Chapters 6 - 8) period starts on Monday of week 7</i>	
Week 8	Special Topic: Consciousness	Ch. 5
	FINAL EXAM DUE by Friday (Chapters 6 - 8) Additional 2 hours of research participation due by Friday of week 8	