

PSY209, Section 001
Brain & Behavior, Spring 2022
Mon & Wed, 8:00am-9:20am

Zoom Class Location:

<https://msu.zoom.us/j/995556921354>

Meeting ID: 995 5692 1354

Password: 852211

In person Location:

Start date TBD-Psychology Rm 118

Instructor Info:

Dr. Amy Arguello

Email: arguell5@msu.edu

Office: Zoom, by appointment

Graduate TAs

André Herrera Charpentier, Abhilasha Jagtap

Email: herre19@msu.edu; jagtapab@msu.edu

Office: Zoom, by appointment

Hours: Wed, 920-1020am

Course Description:

We will discuss several topics related to 1) the function, development and evolution of the brain, 2) how single cells function within brain networks that enable us to think, feel and behave, 3) the neural basis of motivational systems such as sleep, learning, memory and cognition, and 4) mental and behavioral changes that arise when brain mechanisms and neural systems become pathological.

Reading:

Behavioral Neuroscience 8th Edition, 2016, SM Breedlove and NV Watson, Sinauer press.

Behavioral Neuroscience 7th Edition, SM Breedlove and NV Watson is also acceptable

Textbook available at the Student Book Store. Companion website: <https://www.bn8e.com> features chapter summaries, tutorials, flash cards, study aids and links to recently published news articles.

Grading:

Attendance & Participation:

- Attendance at each lecture is expected. You are responsible for all information presented in: class, class discussions, and D2L announcements. Lectures will include material not presented in the book.
- To prepare for each class, read the assigned chapter prior to class. Course information, syllabus, review guides and announcements will be posted on D2L. Abbreviated versions of the PDF files used for lecture will be posted before each lecture.

Exams and Grading (900 points total):

- Midterm Exams: 4 exams, 45 questions, 5 points/question (225 points/exam = 900 points total).
- Exams will cover material discussed during lecture (reading, lectures, movies, discussion, etc)
- Exams are multiple-choice and will occur over D2L during the normally scheduled class time.
- Exams will not be returned to you, but they will be available for you to look over after they have been graded. You can do this at the office hours of the TA.
- Final Exam: there is no cumulative final exam for this course.

Class participation: (100 points total):

- In class quiz or discussion assignment: 5 assignments, 20 points/assignment (100 points total)
- During these class periods we will set aside time to discuss an issue in biological psychology that is relevant to important social issues.
- Students will receive up to 10 points per assignment for participation in each quiz or discussion.
- For in-class quiz, you can receive up to 10 points. During discussion session, you will be asked to write 3-4 sentences in response to an assigned question related to a class topic.

Grades will be assigned on the following scale:

90-100% = 4.0	85-89% = 3.5	80-84% = 3.0	
75-79% = 2.5	70-74% = 2.0	65-69% = 1.5	60% = 0.0

Questions:

ALL E-mail inquiries should be directed to André Herrera Charpentier or Abhilasha Jagtap. If you are having difficulty with the material, have questions or other concerns, you can schedule an appointment for a zoom meeting Wed AM between 920-1020am. We are here to help you learn!

Exam Preparation and D2L Info:

- Review sessions: 1 review session/exam will be held by the TAs *outside* of normal class hours (times to be announced in class). The review sessions are voluntary, TAs will answer your questions but will not give a prepared lecture. If there are no questions, the review session will end early.
- PRACTICE EXAM 1: held on D2L before Exam 1 so that everyone can install Respondus and prepare for technical issues ahead of time. Completing the practice exam will award you 10 extra credit points.
- Use of D2L Lockdown Browser: All exams will utilize the Respondus Lockdown Browser. Follow the instructions at <https://web.respondus.com/wp-content/uploads/2019/08/RLDB-Quick-Start-Guide-D2L-Student.pdf> if you need help getting started. We will *not* be using the webcam monitor, so ignore this portion of the guide. NOTE: Make sure all programs other than your internet browser (e.g. chrome, firefox, etc) are closed. Programs like Skype and Zoom being open will prevent you from accessing the exam.

You must use either a Windows or Mac computer to take the exams. Due to technical difficulties, iPads are *not* recommended unless it is the only option you have available. You will need to email the TA if you plan to use an iPad so that additional functionality can be enabled for your exam. A separate set of instructions for iPad users is available at:

<http://support.respondus.com/support/index.php?Knowledgebase/Article/View/219/0/can-an-ipad-be-used-to-take-a-lockdown-browser-exam-instructions-for-students>

Missed Classes or Exams:

- No make-up exams are scheduled during the semester.
- If you miss an exam due to documented emergency, religious holiday or required participation in university-sanctioned event, you need to discuss options with the instructor.
- It is against MSU policy for a professor to give any individual student a special opportunity not provided to all students.

Course Schedule

Date	Class Topic	Assignment
Mon 1/10 Wed 1/12	Reading and Reflection Syllabus + Introduction	Ch 1
Mon 1/17 Wed 1/19	No Class Functional Neuroanatomy	Ch 2
Mon 1/24 Wed 1/26	Functional Neuroanatomy Functional Neuroanatomy	Ch 2 Ch 2
Mon 1/31 Wed 2/2	Neurophysiology Neurophysiology	Ch 3 Ch 3
Mon 2/7 Wed 2/9	Neurochemistry Neurochemistry	Ch 4 Ch 4
Mon 2/14 Wed 2/16	Exam #1 Hormones & Behavior	Ch 5
Mon 2/21 Wed 2/23	Hormones & Behavior Evolution	Ch 5 Ch 6
Mon 2/28 Wed 3/2	Development Sex and Gender	Ch 7 Ch 12
Mon 3/7 Wed 3/9	SPRING BREAK	
Mon 3/14 Wed 3/16	Sex and Gender Exam #2	Ch 12
Mon 3/21 Wed 3/23	Sensory System Motor Control	Ch 8 Ch 11
Mon 3/28 Wed 3/30	Homeostasis Homeostasis	Ch 13 Ch 13
Mon 4/4 Wed 4/6	Biological Rhythm and Sleep Exam #3	Ch 14
Mon 4/11 Wed 4/13	Emotion, stress and aggression Psychopathology	Ch 15 Ch 16
Mon 4/18 Wed 4/20	Psychopathology Learning & Memory	Ch 16 Ch 17
Mon, 4/25 Wed, 4/27	Learning & Memory Exam #4	Ch 17
5/2-5/6	No Cumulative Final Exam	

Additional Important Information:

Technology: Please respect both your instructor and fellow classmates by silencing all electronic devices. Laptop use is permitted. However, distracting activities such as instant messaging, writing e-mail, social networking, or playing games is strictly prohibited during class time.

Zoom Etiquette: All students will be automatically muted when they enter the zoom meeting. During lecture, if you'd like to ask a question, simply use the "Raise Hand" feature in the participant window and the TA will unmute you. You may also type questions directly into the chat and the TA to notify me of the question. Please keep the chat clear of any unnecessary/off-topic messages just as you would refrain from carrying on an unrelated conversation with a neighbor during an in-person class. The TA will revoke chat privileges from individual students if issues arise.

Academic Honesty:

- Article 2.3.3 of the Academic Freedom Report states that "The student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards.
- The Department of Psychology adheres to the policies on academic honesty as specified in General Student Regulations 1.0, *Protection of Scholarship and Grades*; the all-University Policy on *Integrity of Scholarship and Grades*; and Ordinance 17.00, Examinations.
- At MSU, General Student Regulation 1.00 states in part that "no student shall claim or submit the academic work of another as one's own." (For the complete regulation, see *Protection of Scholarship and Grades*.) You are expected to complete all course assignments, including homework, lab work, quizzes, tests and exams, without assistance from any source.
- You may not assist anyone or be assisted by anyone on an exam, and you may not use the text or any notes during an exam. Your written work must be your own and you are not authorized to use the www.allmsu.com web site to complete any course work in this course. Any student caught cheating, plagiarizing or otherwise violating the MSU academic integrity policy may receive the maximum punishment, including a grade of 0.0 in the course.
- Follow these useful links for more details:
Spartan Life: Student Handbook and Resource Guide: <http://www.vps.msu.edu/SpLife/index.htm>
MSU Web site: <http://www.msu.edu>.

Accommodations for Disabilities:

- Students with disabilities should contact the Resource Center for Persons with Disabilities (RCPD) to establish clear and reasonable accommodations.
- For an appointment with a counselor, call 517-884-RCPD or visit <https://www.rcpd/msu.edu>.
- Once your eligibility for an accommodation has been determined, you will be issued a Verified Individual Services Accommodation (VISA) form. Please present this form to me at the start of the term and/or two weeks prior to the accommodation date.