**PSY209, Section 001**

**Brain & Behavior, Spring 2024**

**Tues & Thr, 10:20am-11:40am**

**In person Location:**

Psychology Rm 118

**Instructor Info: Graduate TAs**

Dr. Amy Arguello Luciano Voutour

*Email:* arguell5@msu.edu *Email:* voutourl@msu.edu

*Office:* Zoom, by appointment *Office:* Zoom, by appointment

**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 and neural systems become pathological.

**Reading:**

***Behavioral Neuroscience 7-9th Editions,* SM Breedlove and NV Watson**, Sinauer press.

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.
* Exams 1-2 will occur during class time. Exams 3-4 will be available all day.
* 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 by appointment.
* **Final Exam:** there is no cumulative final exam for this course.

**Class participation:** **100 points total**

* **In class quizzes**: 5 assignments, 20 points/assignment **(100 points total)**
* During these class periods students can receive up to 20 points per quiz.

**Grades will be assigned on the following scale:**

60-64.9%= **0.0** 70-74.9% = **2.0** 80-84.9% = **3.0**

65-69.9%= **1.5** 75-79.9% = **2.5** 85-89.9% = **3.5**

90-100%= **4.0**

**Questions:**

**ALL E-mail inquiries should be directed to Luciano Voutour.** If you are having difficulty with the material, have questions or other concerns, you can schedule an appointment for a zoom meeting. We are here to help you learn!

**Exam Preparation and D2L Info:**

* **Review sessions:**

**For exams 1-2**: review sessions will be held *during* normal class hours (2/6/24, 3/12/24). The exam will be in person *during* normal class hours (2/8/24, 3/14/24).

**For exams 3-4:** review sessions will be held *outside* class hours (3/28/24, 4/11/24). TA will answer your questions but will not give a prepared lecture. If there are no questions, the review session will end early. Exams 3-4 will be available for the entire day (4/2/24, 4/18/24).

**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 **48 hrs before** the exam.
* It is against MSU policy for a professor to give any individual student a special opportunity not provided to all students.

**Course Schedule**

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| Date | Class Topic |  Assignment |
| Tues 1/9Thr 1/11 | Reading and ReflectionSyllabus + Introduction | Ch 1 |
| Tues 1/16Thr 1/18 | Functional NeuroanatomyFunctional Neuroanatomy  | Ch 2.1 + 2.2Ch 2.2 + 2.3  |
| Tues 1/23Thr 1/25 | NeurophysiologyNeurophysiology | Ch 3.1Ch 3.2 |
| Tues 1/30Thr 2/1 | NeurochemistryNeurochemistry | Ch 4.1Ch 4.2 |
| Tues 2/6Thr 2/8 | In Class Rev**Exam #1** | Ch 1-4 |
| **Tues 2/13**Thr 2/15 | **No Class**Hormones & Behavior | Ch 5.1  |
| Tues 2/20Thr 2/22 | Hormones & BehaviorEvolution | Ch 5.2 Ch 6 |
| Tues 2/27Thr 2/29 | **SPRING BREAK** |  |
| Tues 3/5Thr 3/7 | DevelopmentSex and Gender | Ch 7Ch 12 |
| Tues 3/12Thr 3/14 | In Class Rev**Exam #2** | Ch 5-7, 12 |
| Tues 3/19Thr 3/21 | Sensory SystemMotor Control | Ch 8 Ch 11 |
| Tues 3/26Thr 3/28 | HomeostasisBiological Rhythm and Sleep | Ch 13Ch 14 |
| Tues 4/2Thr 4/4 | **Exam #3**Emotion, stress and aggression | Ch 8, 11, 13, 14Ch 15 |
| Tues 4/9Thr 4/11 | PsychopathologyPsychopathology | Ch 16.1Ch 16.2 |
| Tues 4/16Thr 4/18 | Learning & Memory**Exam #4** | Ch 17Ch 15-17 |
| Mon 4/22Fri 4/26 | No Cumulative Final Exam |  |

**Additional Important Information:**

***Academic Honesty:*** The Spartan Code of Honor states, “As a Spartan, I will strive to uphold values of the highest ethical standard. I will practice honesty in my work, foster honesty in my peers, and take pride in knowing that honor is worth more than grades. I will carry these values beyond my time as a student at MSU, continuing the endeavor to build personal integrity in all that I do.” In addition, Article 2.III.B.2 of the Student Rights and Responsibilities ([SRR](https://spartanexperiences.msu.edu/about/handbook/student-rights-responsibilities/article-two-academic-rights-and-responsibilities.html)) states that "The student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards." The Psychology Department adheres to the policies on academic honesty as specified in: [General Student Regulations 1.0, Protection of Scholarship and Grades](https://spartanexperiences.msu.edu/about/handbook/regulations/general-student-regulations.html); [the all-University Policy on Integrity of Scholarship and Grades](https://spartanexperiences.msu.edu/about/handbook/regulations/student-group-regs-rulings-policies-ordinances/integrity-of-scholarship-and-grades.html); and [Ordinance 17.00, Examinations](https://trustees.msu.edu/bylaws-ordinances-policies/ordinances/ordinance-17.00.html).

*Plagiarism or cheating, use of generative AI to answer exam questions may result in a failing grade on an assignment or in the course*. You are not authorized to use the [www.allmsu.com](https://urldefense.com/v3/__http%3A/www.allmsu.com__;!!HXCxUKc!zxhAw1MYzAty18vk-OkZsoHWCEylYRmOFZESdgmmlWs_KoWD1__sr83MxY21sK2mhLuYq04fh_rvTkdNmA$) Web site to complete any course work in this course. Students who violate MSU academic integrity rules may receive a penalty grade, including a failing grade on the assignment or in the course. If you have any questions on this topic, please make an appointment so that we can address your questions (see also the [Academic Integrity webpage](https://ossa.msu.edu/academic-integrity))

***Inclusive Environment:*** MSU is committed to creating and maintaining an inclusive community in which students, faculty, and staff can work together in an atmosphere free from all forms of discrimination. The Office of Institutional Equity (OIE) reviews concerns related to discrimination and harassment based on sex, gender, gender identity, race, national origin, religion, disability status, and any other protected categories under the University Anti-Discrimination Policy (<https://www.hr.msu.edu/policies-procedures/university-wide/ADP_policy.html>) and Policy on Relationship Violence and Sexual Misconduct (<https://civilrights.msu.edu/policies/rvsm.html>). If you experience or witness acts of bias, discrimination, or harassment, please report these to OIE: <http://oie.msu.edu/>.

***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.**

***Disruptive Behavior:*** Article 2.3.5 of the Academic Freedom Report (AFR) for students at MSU states: "The student's behavior in the classroom shall be conducive to the teaching and learning process for all concerned." Article 2.3.10 states that "The student has a right to scholarly relationships with faculty based on mutual trust and civility." General Student Regulation 5.02 states: "No student shall.... interfere with the functions and services of the University such that the function or service is obstructed or disrupted.” Students whose conduct adversely affects the learning environment may be subject to disciplinary action via the Student Faculty Judiciary process.

***Limits to confidentiality:*** Class materials are generally considered confidential pursuant to the University’s student record policies. However, students should be aware that University employees, including instructors, may not be able to maintain confidentiality when it conflicts with their responsibility to report certain issues to protect the health and safety of MSU community members and others. As the instructor, I must report the following information to other University offices if you share it with me: **1)** suspected child abuse/neglect, even if maltreatment happened when you were a child, **2)** allegations of sexual assault or sexual harassment when they involve MSU students, faculty or staff or **3)** credible threats of harm to oneself or to others. These reports may trigger contact from a campus official who will want to talk with you about the incident that you have shared. In almost all cases, it will be your decision whether you wish to speak with that individual. If you would like to talk about these events in a more confidential setting you are encouraged to make an appointment with the MSU Counseling Center (<https://www.counseling/msu/edu/students>).

***Accommodations for Students with Disabilities:*** MSU is committed to providing equal opportunity for participation in all program, services and activities. Requests for accommodations by persons with disabilities may be made by contacting the Resource Center for Persons with Disabilities at 517-884-RCPD or on the web at <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. Requests received after this date may not be honored. If you require testing accommodations (e.g., additional time.) you must contact me and present your VISA *at least two weeks before the exam date*to schedule an alternative exam.