

Physiological Psychology
Summer 2022 01:830:313:B4
5/31/22-7/8/22

Class location: Busch HLL 009

Meeting Time: Monday & Wednesday 1:00 PM-5:25PM

Instructor: Marialaina Nissenbaum, MS

Email: mn593@scarletmail.rutgers.edu

Office hours: by appointment

Textbook: Carlson & Birkett “Physiology of Behavior” 12th edition
ISBN for Revel version of text: 0134320824

All reading assignments are based on the 12th edition. Feel free to buy or rent the 10th, 11th, or 13th editions, but remember that the readings and/or page numbers may be different. In addition, an unused textbook comes with a MyPsychLab access code. This is NOT required but may be a helpful resource.

The textbook is essential! Some sections will be assigned reading that I may not have time to cover in class, and on the other hand, some lecture material may not come from the textbook (more on this in the attendance policy).

Learning Goals

- The student should finish the course with an understanding of
 - How neurons and glia function, including anatomical distinctions of the nervous system, how neurons release neurotransmitters and respond to chemical information, and how neurons are connected into systems.
 - What drives motivational behaviors
 - How the brain organizes sensory information into perceptual experiences
- The student should finish the course with the ability to apply knowledge of these systems to account for learning, memory, emotion, and psychological illness.

Rutgers letter grade scheme is as follows:

A	100 % to 89.5%
B+	< 89.5 % to 84.5%
B	< 84.5% to 79.5%
C+	< 79.5 % to 74.5%
C	< 74.5 % to 69.5%
D	< 69.5 % to 59.5%
F	< 59.5 % to 0%

Policy on late assignments: There will be a 10% point reduction for each day an assignment is late for a grace period of 3 days, and then it will not be accepted. The nature of a summer course does not leave wiggle room for long extensions without causing the student to fall behind.

*The instructor reserves the right to curve the grade or offer opportunities to raise grades. This will only be offered on a whole-class basis. There will be no individual extra credit opportunities. **Course content, calendar, and grading policies may be changed at the discretion of the instructor to accommodate class needs and/or special circumstances.***

Schedule

Week	Date	Topics	Chapters & LO sections	Quizzes
1	Wednesday 6/1/22	Introduction Neurons and Glia	1 2: 2.1-2.5	
2	Monday 6/6/22	Synaptic Transmission Structure of NS	2: 2.5-2.18 3	Quiz 1
	Wednesday 6/8/22	Psychopharmacology	4	Quiz 2
3	Monday 6/13/22	Research Methods	5: 5.1-5.12	Quiz 3
	Wednesday 6/15/22	Motor System	8	Quiz 4
4	Monday 6/20/22	Vision	6	Quiz 5
	Wednesday 6/22/22	Auditory and Vestibular Systems Somatosensation	7: 7.1-7.12 7: 7.13-7.17	Quiz 6
5	Monday 6/27/22	Gustatory and Olfactory systems Ingestive Behaviors	7: 7.18-7.24 12	Quiz 7
	Wednesday 6/29/22	Learning and Memory	13	Quiz 8
6	Monday 7/4/22	Sleep Emotion, Stress, Anxiety	9 11	Quiz 9 (via Canvas—will be available 7/1-7/5 for 40min)
	Wednesday 7/6/22	Neurological Disorders Neurodevelopmental Disorders	15	Quiz 10
	Friday 7/8/22	NO CLASS – final project and quiz due END OF SUMMER SESSION!	N/A	Quiz 11 (via Canvas—Will be available 7/6-7/8 for 40min)

Quizzes: There will be a quiz during each class period that will reflect material from the previous class. The lowest quiz grade will be dropped. Quizzes are worth 40% of the final grade.

Assignments: Each class, you will be assigned 1-2 non-quiz assignments to be completed either in class or due by the following class. All information and instructions about each assignment will be given in class and on Canvas. Classwork/homework is 40% of the final grade.

Final Project: There is no final exam in this class. Instead, the cumulative assessment will be a final project integrating knowledge from the course. The final project will be discussed in class and have a dedicated Canvas module. The final project is worth 20% of the final grade.

Academic Integrity Policy <http://academicintegrity.rutgers.edu/>

Overview: Rutgers University takes academic dishonesty very seriously. By enrolling in this course, you assume responsibility for familiarizing yourself with the Academic Integrity Policy and the possible penalties (including suspension and expulsion) for violating the policy. As per the policy, all suspected violations will be reported to the Office of Student Conduct. Academic dishonesty includes (but is not limited to):

- Cheating
- Plagiarism
- Aiding others in committing a violation or allowing others to use your work
- Failure to cite sources correctly
- Fabrication
- Using another person's ideas or words without attribution—re-using a previous assignment
- Unauthorized collaboration
- Sabotaging another student's work in doubt, please consult the instructor

The Division of Student Affairs Diversity & Inclusion Statement

Excerpted (<http://inclusion.rutgers.edu/>):

“The Division of Student Affairs works to create an environment of inclusion which respects and affirms the inherent dignity, value, and uniqueness of all individuals, communities and perspectives. Our practices reflect awareness and understanding of the complexity of identity and the increasing interconnectedness of our world. It is our responsibility to promote and maintain a community of compassion, embracing the rich dimensions of diversity, and facilitating opportunities for understanding and the expression of both individual and shared truths.”

Student-Wellness Services:

Counseling, ADAP & Psychiatric Services (CAPS)

(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901/

<http://health.rutgers.edu/medical-counseling-services/counseling/>

CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professionals within Rutgers Health services to support students' efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community, and consultation and collaboration with campus partners.

Crisis Intervention : <http://health.rutgers.edu/medical-counseling-services/counseling/crisis-intervention/>

Report a Concern: <http://health.rutgers.edu/do-something-to-help/>

Violence Prevention & Victim Assistance (VPVA)

(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / www.vpva.rutgers.edu/

The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

Disability Services

(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / <https://ods.rutgers.edu/>

Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation:

<https://ods.rutgers.edu/students/documentation-guidelines>. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at:

<https://ods.rutgers.edu/students/registration-form>.