

**Physiological Psychology Lab**  
830:314:01  
Fall 2020  
Wednesdays 8:40am – 11:40am

*Instructor:* Angela Dao

*Email:* [angela.dao@rutgers.edu](mailto:angela.dao@rutgers.edu)

*Office hours:* By arrangement

*Course Description:*

The course will be comprised of 3 main sections. First, we will discuss electrophysiology and the basic structure of cells in the nervous system. Second, we will explore neuroanatomy through sheep brain dissection. Finally, we will learn about the motor system, basic behavioral experiments, and how to read and write scientifically.

This course will meet synchronously via zoom during the originally assigned times (Wednesdays 8:40am-11:40am) and recordings of the lectures will be uploaded asynchronously for later viewing. *Attendance will not be enforced but it is strongly encouraged!!*

*Technology requirements:*

A computer and internet connection are required for this course. All other materials will either be provided to you or available on the internet. Please visit the [Rutgers Student Tech Guide](#) page for resources available to all students. If you do not have the appropriate technology for financial reasons, please email Dean of Students [deanofstudents@echo.rutgers.edu](mailto:deanofstudents@echo.rutgers.edu) for assistance. If you are facing other financial hardships, please visit the Office of Financial Aid at <https://financialaid.rutgers.edu/>.

*Course Policy:*

Attendance is *strongly encouraged* for this course, but it will not be enforced. If you are unable to log on to the class meeting for any reason, you are responsible for any course information or materials you have missed.

All lab assignments must be generated in Microsoft Word or Open Office and handed in on time. There will be a penalty of 10 points off **per day** for late assignments. Any concerns or requests for accommodation regarding missing/late assignments must be brought to my attention before an assignment's due date (or as soon as possible).

Learning remotely presents new challenges. For assistance with learning how to address these challenges, please consult the resources available here: [https://rlc.rutgers.edu/remote\\_instruction](https://rlc.rutgers.edu/remote_instruction)

## Grading Policy:

- 5 Points: Homework
- 30 Points: Take-home exam
- 25 Points: Sheep brain neuroanatomy atlas
- 40 Points: Research Report

### *SAS Core Goal statement for psychology lab courses:*

This course has been certified as satisfying four of the Writing Communication Learning Outcome Goals (including WCR and WCD) of the SAS Core Curriculum.

Specifically, students will be able to:

- a) Respond effectively to editorial feedback from peers, instructors, and/or supervisors through successive drafts and revision (WCR);
- b) Communicate effectively in modes appropriate to a discipline or area of inquiry (WCD);
- c) Evaluate and critically assess sources and use the conventions of attribution and citation correctly;
- d) Analyze and synthesize information and ideas from multiple sources to generate new insights.

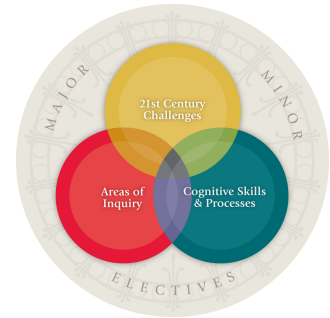
### **Academic Integrity:**

Students must comply with the Rutgers Academic Integrity Policy:

<http://nbacademicintegrity.rutgers.edu/home/academic-integrity-policy/>

- Students are expected to maintain the highest level of academic integrity. You should be familiar with the university [policy on academic integrity](#). Violations will be reported and enforced according to this policy. Use of external website resources such as Chegg.com or others to obtain solutions to homework assignments, quizzes, or exams is cheating and a violation of the University Academic Integrity policy. Cheating in the course may result in grade penalties, disciplinary sanctions, or educational sanctions. Posting homework assignments, or exams, to external sites without the instructor's permission may be a violation of copyright and may constitute the facilitation of dishonesty, which may result in the same penalties as plain cheating.
- Almost all original work is the intellectual property of its authors. These works may include syllabi, lecture slides, recorded lectures, homework problems, exams, and other materials, in either printed or electronic form. The authors may hold copyrights in these works, which are protected by U.S. statutes. Copying this work or posting it online without the permission of the author may violate the author's rights. More importantly, these works are the product of the author's efforts; respect for these efforts and for the author's intellectual property rights is an important value that members of the university community take seriously.

For more instructions on copyright protections at Rutgers University, please refer to the [Rutgers Libraries](#).



**Student-Wellness Services: All of these services are being provided remotely during Fall 2020.**

**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/](http://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>.

Course Schedule (subject to change):

Week 3	Sept 16	Course Introduction; Basic Electrical Principles
Week 4	Sept 23	Electrophysiological Properties of Ion Channels
Week 5	Sept 30	Electrophysiological Properties of Cell Membranes
Week 6	Oct 7	<p><b>*** Take Home Exam Due ***</b></p> <p>How to Write a Research Paper – Intro &amp; Methods</p> <p>Analyzing a Scientific Paper Module</p> <p><a href="https://www.biointeractive.org/classroom-resources/winging-it-analyzing-scientific-paper">https://www.biointeractive.org/classroom-resources/winging-it-analyzing-scientific-paper</a></p>
Week 7	Oct 14	Motor System Lecture
Week 8	Oct 21	<p><b>***Intro &amp; Methods for Motor Cortex Due***</b></p> <p>Introduction to Sheep Brain Anatomy</p>
Week 9	Oct 28	Sheep Brain Anatomy pt. 2
Week 10	Nov 4	<p><b>***Sheep Brain Neuroanatomy Atlas Due***</b></p> <p>Neuroanatomy Peer Review</p>
Week 11	Nov 11	DA Depletion Lecture
Week 12	Nov 18	How to Write a Research Paper – Results & Discussion Behavioral Testing and Data Collection Lecture
Week 13	Nov 25	<b>No Class -- Thanksgiving</b>
<b>*Sunday*</b>	Dec 2	<b>***Rough Draft due***</b>
Week 14	Dec 9	<b>***Final paper due 11:59pm***</b>