

**Learning Processes Lab – 01:830:312:01**

Main Canvas page <https://rutgers.instructure.com/courses/68221>

**Fall 2020**

**Meeting Days, Times, and Venues**

**Time and Day:** Monday, 10:20am – 1:20pm

**Location:** <https://zoom.us/j/7564952054?pwd=VXRMaU1nMFNwcVUyaXhDYmpZbDlvZz09>

Meeting ID: 756 495 2054

Passcode: RMb1Zt

**\*\*All students must be logged on by 10:19am\*\***

**Instructor's Name**

Teaching Assistant: Jennifer Mejaes ([jim61@psych.rutgers.edu](mailto:jim61@psych.rutgers.edu)) (Expect a response in 2 business days)

**Office hours:** Monday: 2-3pm in Zoom:

<https://zoom.us/j/7564952054?pwd=VXRMaU1nMFNwcVUyaXhDYmpZbDlvZz09>

Meeting ID: 756 495 2054

Passcode: RMb1Zt

*Faculty Coordinator: Dr. Mimi Phan ([mphan@scarletmail.rutgers.edu](mailto:mphan@scarletmail.rutgers.edu))*

*Faculty Supervisor: Dr. Kasia M. Bieszczad ([kasia.bie@rutgers.edu](mailto:kasia.bie@rutgers.edu))*

**List of Required Books &/or Materials**

Required readings will be provided on CANVAS throughout the semester

**Technology/Software Requirements:**

Software:

Rutgers Box account: (<https://box.rutgers.edu/>)

Rutgers Zoom Account: (<https://it.rutgers.edu/zoom/>)

Technology:

Computer: Laptop or desktop computer. A tablet may be used in some cases.

Internet Connectivity: Preferably a high-speed connection. You may also use a wireless hotspot through your mobile provider.

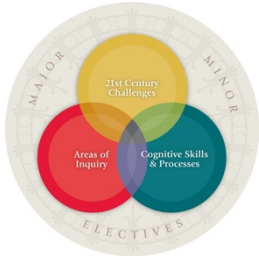
Microphone (optional): This may be built into your device, but an external microphone or headset will provide better sound.  
Webcam (optional): Many computers have one built in, but you can easily connect an external USB camera.

**Note:**

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)

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/>.

## Learning Goals



The aim of this course is to acquaint students with scientific research within the context of learning psychology. Upon successful completion of this course, students will

- have a basic understanding of methods and techniques used in animal conditioning research
- understand the procedures for collecting data in animal conditioning research
- be able to use basic statistics and statistical software to analyze data
- be able to interpret the results of the statistical analyses
- produce an APA-style empirical paper.

This course has been certified as satisfying four of the Writing and 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.

## 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.”*

## Current Academic Integrity Policy and Honor Pledge:

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

Honor pledge: All students will need to sign the Rutgers Honor Pledge on every major exam, assignment, or other assessment as follows:

- *On my honor, I have neither received nor given any unauthorized assistance on this examination (assignment).*

Summary:

<http://nbacademicintegrity.rutgers.edu/home-2/academic-integrity-policy/>

Resources for Students:

<http://nbacademicintegrity.rutgers.edu/home-2/for-students/>

### **Self-Reporting Absence Application:**

Students are expected to attend all classes; if you expect to miss one or two classes, please use the University absence reporting website <https://sims.rutgers.edu/ssra/> to indicate the date and reason for your absence. An email is automatically sent to me.

**Please note: My policy for missed labs and missed exams IF NO EMAIL IS SENT WITHIN A WEEK OF MISSING is a deduction of one letter grade for each missed lab or exam e.g. if you miss one lab or exam your final grade will change from an A to an A-, 2 labs or exams your final grade will change from an A to a B+ and so on.**

### **Course Structure and Requirements**

**Syllabus** \*Note that class meetings will not start until the 3<sup>rd</sup> week of Rutgers NB scheduled classes

14-Sep	week1	<b>Animal Use in Research</b> [3R's - use of rodents (& different species)]
21-Sep	week2	<b>Measuring Baseline Behaviors</b> [Experiment 0 – Elevated Plus Maze (EPM)]
28-Sep	week3	<b>Habituation</b> [Experiment 1 – Open Field (OF)]
5-Oct	week4	<b>Associative Learning: Context-Reward</b> [Introduction to Experiment 2 – Conditioned Place Preference (CPP); integration with baseline performance (EPM) and habituation (OF)] <i>Assignments Due: Lab Report 1 (Expt. 1) – Intro, Methods, Citations only –15 points</i>
12-Oct	week5	Experiment 2, Part 1 – Conditioned Place Preference (CPP) (pre-training)
19-Oct	week6	Experiment 2, Part 2 – Conditioned Place Preference (CPP) (post-training)
26-Oct	week7	<b>Associative Learning: Operant Behavior</b> [Experiment 3, Part 1 – Shaping]
2-Nov	week8	<b>Associative Learning: Operant Behavior</b> [Experiment 3, Part 2 – Extinction] <i>Assignments Due: Lab Report 2 (Expt. 2) – Results, Discussion, Citations only –15 points</i>
9-Nov	week9	<b>Associative Learning: Operant Behavior</b>

[Recap of experimental group data analysis & review]

*(Recommended Assignments Due: Lab Report 3 (Expt. 3) Methods & Results Draft)*

16-Nov week10 **Associative Learning: Extinction of Operant Behavior & Relevance for CPP** [Expt. 2 & Expt. 3]

[Integration & Overview of Associative Learning in Extinction, highlighting recovery processes in lecture: renewal, reinstatement or recovery, spontaneous recovery] *\*Note that students will not be collecting data on recovery processes in extinction.*

*(Recommended Assignments Due: Lab Report 3 (Expt. 3) Discussion Draft)*

23-Nov week11 Wednesday, November 25 (Friday Classes); **Thanksgiving Holiday** 11/28-11/30

*(Recommended Assignments Due: Lab Report 3 (Expt. 3) Discussion Draft)*

30-Nov week12 **Writing Workshop**

Guide and Review for Final Lab Report 3 (Expt. 3) write-up

*(Recommended Assignments Due: Lab Report 3 (Expt. 3) Intro, Citations, et al. Draft)*

7-Dec week13 **Open Office Hours**

*Assignments Due: Lab Report 3 (Expt. 3) – Full lab report –30 points*

14-Dec week14 **Reading Days:** 12/11-12/14

*Assignments Due: None.*

21-Dec week15 **Final Exam Week:** 12/15-12/22

*Assignments Due: None.*

### **Standardized Rubric Across LPL Sections**

Lab Report 1 (Experiment 1) Intro, Methods, Citations only –15 points

Lab Report 2 (Experiment 2) Results, Discussion, Citations only –15 points

Lab Report 3 (Experiment 3) Full lab report –30 points

Take Home Quizzes–20 (5 points each)

Take Home Reading Q's –20

### **Section Specific:**

#### **Peer Review:**

Students will conduct peer review sessions throughout the semester. The goal of these sessions is to practice your newly developed scientific writing skills by providing constructive feedback to your fellow classmates' lab reports.

#### **Presentations:**

Students will work in groups in order to present two relevant articles of the group's choice to their fellow classmates. All students are expected to equally contribute both in the creation and presentation of the article. Presentations should be roughly 25 minutes in length and presented via PowerPoint. The emphasis on these presentations is not only properly summarizing the article, but to also present your group's critical reaction to the paper.

#### **Quizzes:**

Quizzes will be TAKE HOME and due at the beginning of the next class. They will be 15-20 minutes and worth a total of 20 points during the semester. These quizzes may be based on the articles for each experiment, APA style, and/or the basic statistics used with our data throughout the semester. If you do not turn in a Quiz WITH NO REASON OR EMAIL, you will be allotted a 0.

**Critical Reflections: I expect all students to follow the honor pledge and complete the quizzes by themselves.**

**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>.