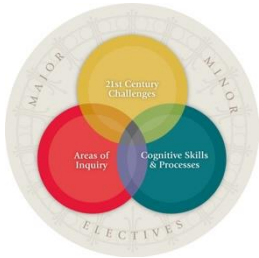**Learning Processes Lab – 01:830:312:03**
Main Canvas page https://canvas.rutgers.edu/

Spring 2022
Meeting Days, Times, and Venues
    - Remote: Zoom – link on Canvas; In person : Wednesday 10:20AM – 1:20PM ET in Psych A361 on Busch Campus
    -*Synchronous class meetings will be via zoom- info on canvas 'zoom' tab*
    -All course materials will be available on canvas

Instructor
    Marialaina Nissenbaum
    Contact information: mn593@scarletmail.rutgers.edu or via Canvas Inbox

Office hours: day, time and location: all office hours are on zoom by appointment, email me to find a suitable time

Faculty Coordinator: Dr. Mimi Phan (mphan@scarletmail.rutgers.edu)
Faculty Supervisor: Dr. Kasia M. Bieszczad (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

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 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/

Attendance Policy and Late/Missed Work

Absence Reporting: Students are expected to attend all lab class meetings synchronously; 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 your TA.

In order to maximize your learning potential in a lab course, your "virtual" attendance each and every week is critical. Every class meeting builds up to the lab reports you will be writing throughout the semester, which will report on data that YOU collect in class. Data collection will be done within small groups that consist of your lab team/group members.

Participation Policy: Since your lab group works together to collect and organize the data for each experiment, participation matters and will play a role in determining your final report grade.

On data collection days, each lab group member will evaluate your effort working in the team on a scale of 0 to 5 (0 being no effort, 5 being ideal effort) in 3 categories: (1) Did you attend for the entire data collection period? (2) Did you communicate with the group for the entire data collection session?, and (3) Did you satisfactorily complete your assigned role in data collection? Completion of these peer group evaluations is a valuable tool in collaborative work and will be counted as part of your final grade.

Policy on missed labs: You must complete all work for the labs (data scoring) to earn full points for the lab reports. If you are absent on a data collection day, please contact me to make arrangements to make up the work. Failure to make up the work within 2 weeks will result in 50% reduction in lab report score.

Policy on late assignments: There will be a 10% point reduction for each day an assignment is late.

Policy for chronic absences: After 2 unexcused absences, I will contact the Dean of Students. If you have extenuating circumstances that prevent you from attending class, please get in touch with me as soon as possible.

Course Structure and Requirements

Assignment Point Values:
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
Peer Group Evaluation – 10 points
Reading Quizzes – 15 points (5/each)
Presentation – 10 points
Peer Lab Report Review – 5 points

Explanation of Assignments:
-Lab Reports- You will submit 3 APA-style scientific lab reports (one per experiments 1,2, and 3) based on behavioral data observed in class.
-Peer Group Evaluation – You will rate your Team Member(s) for effort extended in the group data collection exercises.
-**Reading Quizzes** – You will answer short questions for background reading to identify important factors regarding experimental hypothesis, experimental variables, results, and conclusion. All readings will be found on campus.
-In-class Presentation – After our first meeting, you will sign up for a week to present. You will be assigned a reading to present to the class from the assigned readings. This will be graded as follows: 8pt of the grade are for content and delivery (more information on rubric) and 2pt will be engaging in other students' presentations throughout the semester.
-Peer review- You will submit a draft of your final lab report to be reviewed by a classmate, and conduct a peer review for a classmate. To earn full points, you must both submit a draft and complete your review on time.

Grading Rubric Rutgers Letter Grade Scheme will be 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%

Schedule *Note that class meetings will not start until the 2nd week of Rutgers NB scheduled classes and is subject to change, at the TA's discretion.*

Date	In Class	Class Format	Assignments DUE Prior to Class Time
1/19/2022 wk 0	**No Class**	**--**	
1/26/2022 wk 1	(1) Class intro, (2) Animal use in research	**Remote** OSHA form submitted eIACUC animal safety training completed	
2/02/2022 wk 2	(1) Intro to writing (2) Measuring baseline behaviors- Exp. 0: Elevated Plus Maze	**Remote – video scoring**	**Quiz 1**

2/09/2022 wk 3	(1) Review Exp 0 Data; (2) Habituation intro & "behind the scenes", (3) review Exp 1 readings; (4) Exp. 1: Open Field	**In person – video scoring**	
2/16/2022 wk 4	(1) Review Exp 1 (OF) Data; (2) Writing review (Intro, Methods)	**In person - video scoring**	
2/23/2022 wk 5	(1) Intro to Exp 2 (CPP), context-reward learning & behind the scenes (2) Exp. 2- Conditioned Place Preference, part 1	**In person – video scoring**	Lab Report 1 (based on Exp 1)- intro, methods, citations ONLY
3/02/2022 wk 6	(1) CPP Reading review (2) Exp. 2- Conditioned Place Preference, part 2	**In person - video scoring**	
3/09/2022 wk 7	Writing workshop, Lab report 2 (2 (based on Exp 2)- results, discussion, citations ONLY)		**Quiz 2**
3/16/2022 wk8	Spring Break		
3/23/2022 wk 9	(1) Intro to Operant Conditioning (2) Exp 3, part 1: Operant	**In person – real animals;**	Lab Report 2 (based on Exp 2)- results, discussion, citations ONLY
3/30/2022 wk 10	(1) Intro to Extinction, reading review (2) Exp 3, part 2: Extinction		
4/06/2022 wk 11	Experiment 3 - Recap and data analysis of shaping & extinction		**Quiz 3**
4/13/2022 wk 12	Integration & overview wrt Extinction and Recovery processes between Experiment 2 & Experiment 3		
4/20/2022 wk 13	(1) Exp 3 (Operant) Data Review, (2) Writing review for Lab Report 3 (intro, methods, results, discussion)		
4/27/2022 wk 14	(1) Discussion of Extinction of Operant Behavior and Relevance to CPP		
	(2) Writing workshop or **NO FORMAL CLASS; PLEASE SCHEDULE OFFICE HOURS IF YOU WANT HELP WITH FINAL REPORT**		Lab report draft 3 (due 4/25); peer review due following day (4/26)
5/02/2022 wk 15	**LAB REPORT 3- FINAL, DUE ON Monday, May 2, 11:59pm**		

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.