

BEHAVIORAL BIOLOGY (11:216:240:01)

<https://rutgers.instructure.com/courses/193924>

FALL semester.

Expect to attend all lectures, view videos, view movies, and complete assignments.

Exams, Quizzes, and Assignments**Instructor's Name**

Joanna Burger

Email burger@dls.rutgers.edu Phone 848-445-3497

Responses will normally be answered within 1-2 business days, most often sooner.

Office hours (please email Burger)

Normal office hours: TBA.

If no response within 2 business days, email kelng@dls.rutgers.edu

TECHNOLOGY REQUIREMENTS: All assignments, lectures, and communications will normally be through Canvas

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/>.

Course Description

The course provides an opportunity to learn and discuss common behavior patterns of animals that allow them to survive and reproduce in a changing world. Includes ecology and conservation of animals, as well as using some examples from human behavior to illustrate terms also used in animal behavior. Includes learning how to do survey and observations of animals.

Overall Goal

To have a basic understanding of the function, biological significance, causation and evolution of animal behavior.

Learning Goals

1. To understand basic areas of animal behavior, particularly as they relate to the biological and ecological basis, focusing mainly on animals in the wild.
2. To be able to objectively understand and evaluate information about animal behavior and ecology encountered in our daily lives.
3. To understand and be able to objectively evaluate the role of behavior in the protection and conservation of animals in the wild.
4. To consider and evaluate behavior of all animals, including humans, in the complex ecological world, including the urban environment.

Current Academic Integrity Policy:

Summary:

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

Resources for Students:

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

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, paper, quiz, etc.).

General Academic Integrity Link:

<http://nbacademicintegrity.rutgers.edu/>

“Plagiarism,” Rutgers SAS Writing Program

<https://wp.rutgers.edu/academics/undergraduate/plagiarism>

Optional: **Learning Centers:** <https://rlc.rutgers.edu/>

Academic Advising for SAS students:

<https://sasundergrad.rutgers.edu/advising/advising>

Optional: Online Learning Tools from Rutgers University Libraries including Rutgers RIOT, Searchpath and RefWorks <http://www.libraries.rutgers.edu/tutorials>

Books

J. Alcock – **Animal Behavior (9th or later edition)** (OPTIONAL TEXT)

Self-Reporting Absence Application:

Under normal circumstances, 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. In addition, there are no make-up exams without a written dr. note as to the reason.

Under asynchronous teaching, I expect you to listen to all lectures, videos, and to complete all assignments. This includes taking quizzes, writing answers where cued, taking exams and completing term papers other assignments.

Overall Approach

1. Lectures
2. Selected videos that depict specific behavior or behavioral ecology of individual species, groups of species, or species within their ecosystems.
3. Short quizzes and summaries of lectures (often weekly)
4. Exams
5. Short projects that do not involve a laboratory, but some behavioral observations, surveys, or literature–interactive experiences.

Syllabus (taught in fall): The numbers under video refer to video lectures. All video lectures must be watched. Some video lectures will have quizzes or writing assignments. All video lectures and videos of behavior must be watched.

<i>Date</i>	<i>Module Topic</i>	<i>Video Lectures</i>	<i>Assignments & Videos of Behavior Quizzes (describing behavior or questions)</i>
Sept 7	Introduction	0.1, 0.2	0.1 and 0.2 Quizzes
Sept 12, 14	Introduction to Behavior History (cave paintings- Romans)	1.1 1.2	History of Behavior Project and Quiz 1.1 Crash A Tale of 2 Species (Red Knot and Horseshoe Crabs)
Sept 19, 21	History of Behavior Study (Cuvier – present)	2.1, 2.2, 2.3, 2.4	Elephant and Fallow Deer Quiz Darwin & Wallace Documentary
	Discussion of term paper project		
	History (recent) Complex behaviors	3.1, 3.2	3.1 Quiz, 3.2 Quiz Dian Fossey & Jane Goodall Documentary
Sept 26	Learning	4.1, 4.2	4.1 Quiz, 4.2 Quiz Zebrafish Learning, Animal Intelligence Discuss Term Project
Sept 28	Personal Review		
Oct 3	EXAM		EXAM 1: 0.1 to 4.2
Oct 5, 10	Aggression	5.1, 5.2, 5.3	5.1 Elephant Quiz
Oct 12, 17	Territory	6.1 6.2	6.2 Quiz
Oct 19, 24	Displays/ Communication	7.1, 7.2, 7.3	Human language animal communication comparison 7.1 Quiz
Oct 26 Nov 2	Avian Communication	7.4, 7.5, 7.6 7.7, 7.8	Animal Communication - Body language in Humans & Animals like us: Animal Language 7.5 Quiz
Oct 31	Term Paper Discussion		Term Paper Discussion
Nov 7, 9	Habitat Biodiversity Reproduction & Pairing	8.1, 8.2, 8.3	Fox breeding and behavior & Sexual behavior in insects
Nov 14, 16	Animal Interactions	9.1, 9.2, 9.3	Wildlife Laws: The Better Hunter Wins (Growth and Development of Various Predatory Species)
Nov 21	Term Paper		Term Paper Due
Nov 22 or 23	EXAM		EXAM 2: 5.1 to 9.3
Nov 28, 30	Thermoregulation Foraging, Migration	10.1 11.1 & 11.2 12	Ectotherm morphology and behavior; Migrations
Dec 5, 7, 12	Social Interactions	13.2	
Dec 14	Last Quiz		Last quiz equals 20 points (covers lectures 10.1 to 13.2)

NOTE:

1. Short term paper must be typed and in scientific format
2. There are NO extensions or make-up exams WITHOUT a Dr. written note.
3. All exams are multiple choice format, with some short written answer questions.

COURSE GRADES – Grade point average whereby 90+ = A; 80-89 = B, 70-79 = C; below = D
Points on Exam 1 (around 100 points) Term Paper (150 points)

Points on Exam 2 (around 100 points)

Quizzes and short writing assignments will be included with some lectures (points per quiz is usually 5 but the last quiz equals 20 points and covers lectures 10.1 to 13.2).

There will normally be quizzes and/or writing assignments each week.

There is no extra credit.

Diversity Statement

It is our intention that students of all backgrounds will be well served by this course. We will work to create an environment of inclusion which respects and affirms the inherent dignity, value, and uniqueness of all individuals, communities, and perspectives. We are lucky to have a diverse university. Diverse voices and life experiences enhance the learning process, and we welcome students to share their personal experiences. We will not tolerate disrespectful language or behavior against any individual or group. If you feel as though you have been disrespected or treated unfairly by the instructors or any other individual, please let us know. You may speak with the instructors in person, over email or report anonymously via the Office of Academic Programs. In addition, you may also report bias to the Rutgers Diversity and Inclusion initiative using this link: <http://inclusion.rutgers.edu/report-bias-incident/>.

Student-Wellness Services: All of these services are being provided remotely during Fall 2023.

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.

Protecting the intellectual property of students and instructors: Many students do not realize that they infringe on the intellectual property rights of instructors or fellow students. Below is suggested language to include to deter such practices.

- *(Language on misappropriating intellectual property)* 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](#).

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>.

Academic Integrity

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

Please review the [Academic Integrity Policy](#)