

Comparative Mammalian Anatomy Laboratory

11:067:392, 1 credit, Spring 2026

Location: PSARF 103

Time: Sections 1-2 (? TBD)

Prerequisites: Comparative Mammalian Anatomy (11:067:391)

Open to: Animal Science Majors only, other majors by instructor permission (SPN)

Required Text:

1. REQUIRED from Lecture: Anatomy of Domestic Animals, Pasquini, Spurgeon, and Pasquini. Sudz Publishing, 2007, 11th ed. (ISBN 0-9623114-2-1)
2. Laboratory notes/manual provided for each lab group (extras are available for purchase)
3. Must bring a clipboard to all laboratories, lab coat and/or scrubs are highly recommended (see class schedule below)

CONTACT INFORMATION:

Instructors: **Tobi Ogunribido, Ph.D.**

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COURSE DESCRIPTION:

This course will cover basic mammalian anatomy and anatomical terminology, the diversity of animal body structure and its relationship to comparative physiology among mammalian species, and the structural differences among the anatomies of selected mammals.

ANIMAL SCIENCE COURSE LEARNING GOALS: (see

<https://animalsciences.rutgers.edu/undergraduate/mission.htm> for the full list of Animal Science program learning goals (PLGs)).

At the conclusion of this course, student will be able to:

1. Identify species differences between selected mammals' anatomical systems (PLG 3 & 6)
 - Assessment: In class and laboratory quizzes and a lab practical
2. Examine how anatomical structures relate to physiological functions (PLG 3)
 - Assessment: In class and laboratory quizzes and a lab practical
3. Perform systematic dissections of preserved mammalian specimens following proper laboratory protocols (PLG 2 & 4)
 - Assessment: In class and laboratory quizzes and a lab practical

Course Format:

- Laboratory – Full animal, limb and organ dissections and veterinarian-facilitated necropsy
- Videos and computer programs to illustrate the various organ systems

COURSE GRADING & ASSESSMENTS:

The laboratory will have 3 lab quizzes each worth 60 points (every third system), and a lab practical on the last week of labs worth 200 points. There will be NO makeup labs, quizzes, or exams (see policy below). There will be 20 points total for class discussions on Canvas.

Laboratory Quizzes =	180 (45%)
Laboratory Practical =	200 (50%)
Participation (Discussion) =	20 (5%)
Total Points =	400

Grading:A: $\geq 90\%$

B+: 88-89%

B: 80-87%

C+: 78-79%

C: 70-77%

D: 60-69%

F: $< 60\%$

These grades are firm. There is no curve.

Course Website:

Canvas: <https://rutgers.instructure.com/courses/>. Login to the site using your NetID and password. If you are enrolled in the course, there should be a tab identified by the course number.

COURSE SCHEDULE:

Please note the schedule is subject to change.

Week of	Professor	Lab Topics	Assessment
Jan. 26	Williams	Bones	
Feb. 2	Williams	Muscles – leg dissections	
Feb. 9	Williams	Muscles – leg dissections conn.	
Feb. 16	Williams/ Ogunribido	Muscles/Meat cuts (pork/beef)	
Feb. 23	TBD	Male Repro	Assessment 1 – Bones, Muscles & Meat (60)
Mar. 2	TBD	Female Repro	
Mar. 9	TBD	Digestive system – stomach, intestines, connective tissue	
Mar. 16	NA	SPRING BREAK	
Mar. 23	TBD	Respiratory – Sinuses, Larynx, Trachea, Lung	
Mar. 30	Ogunribido	Circulatory – heart, major veins/arteries	Assessment 2 – Repro, Respiratory & Digestive (60)
Apr. 6	Ogunribido	Kidney – macro and micro anatomy	
Apr. 13	Ogunribido/Bello	Brain, cranial nerves, major cervical nerves, eye	
Apr. 20	Ogunribido Williams Vets	Necropsy (video for future) We cannot do 3 of these. Need to find a common day/time.	Assessment 3 – Heart, Kidney & Brain (60) Discussion Assignment Starts
Apr. 27	Ogunribido	Final Lab practical	Discussion Assignment Due Final Assessment - Cumulative + necropsy (200)

ACCOMMODATIONS for Students with disabilities

Please follow the procedures outlined at <https://ods.rutgers.edu/students/getting-registered>. Full policies and procedures are at <https://ods.rutgers.edu/>

ATTENDANCE

You should attend every class. There will be NO MAKE UP LABS.

ABSENCE POLICY

This course will be taught as a lab-based course; you are expected to attend and participate. Excused absences are absences that have been documented by the Dean of Students (deanofstudents@echo.rutgers.edu) and once the documentation has been cleared, you must contact the instructor directly to determine how to proceed. There are no make-ups for labs or lab quizzes or lab practical. As specimens are consumable and might not be available for dissections when you are able to make up lab, therefore, there are NO MAKE UP LABS.

ACADEMIC INTEGRITY

Artificial Intelligence (AI) Use Policy

This policy covers any generative AI tool, such as ChatGPT, Elicit, Photo Math, etc. This includes text and artwork/graphics/video/audio, etc.

All work submitted in this course must be your own. You may not use artificial intelligence tools to complete your assignments or exams in this course. If the instructor suspects that an assignment is not the work of the student, it is incumbent upon the student to demonstrate their skills/knowledge in an alternative method. The student may be required to attend a one-on-one video conference to discuss content with the instructor. The grade will be determined at the instructor's discretion.

The university's policy on Academic Integrity is available at <https://academicintegrity.rutgers.edu/sites/default/files/pdfs/current.pdf>. The principles of academic integrity require that a student:

- properly acknowledge and cite all use of the ideas, results, or words of others.
- properly acknowledge all contributors to a given piece of work.
- make sure that all work submitted as his or her own in a course or other academic activity is produced without the aid of impermissible materials or impermissible collaboration.
- obtain all data or results by ethical means and report them accurately without suppressing any results inconsistent with his or her interpretation or conclusions.
- treat all other students in an ethical manner, respecting their integrity and right to pursue their educational goals without interference. This requires that a student neither facilitate academic dishonesty by others nor obstruct their academic progress.
- uphold the canons of the ethical or professional code of the profession for which he or she is preparing.

Adherence to these principles is necessary in order to ensure that

- everyone is given proper credit for his or her ideas, words, results, and other scholarly accomplishments.
- all student work is fairly evaluated, and no student has an inappropriate advantage over others.
- the academic and ethical development of all students is fostered.
- the reputation of the University for integrity in its teaching, research, and scholarship is maintained and enhanced.

Failure to uphold these principles of academic integrity threatens both the reputation of the University and the value of the degrees awarded to its students. Every member of the University community therefore bears a responsibility for ensuring that the highest standards of academic integrity are upheld.

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 instructor, peer, or another 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/>.

CIVILITY IN THE CLASSROOM STATEMENT

Rutgers university is a community of faculty, students, and staff that enjoys an expectation of cooperation, professionalism, and civility during the conduct of all forms of university business, including the conduct of student-student and student-faculty interactions in and out of the classroom. Further, the classroom is a setting in which an exchange of ideas and creative thinking should be encouraged and where intellectual growth and development are fostered. Students who disrupt this classroom mission by rude, sarcastic, threatening, abusive or obscene language and/or behavior will be subject to appropriate sanctions according to university policy.

STUDENT WELLNESS SERVICES

Counseling, ADAP & Psychiatric Services (CAPS)

(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901/ www.rhscaps.rutgers.edu/

CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional 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.

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://webapps.rutgers.edu/student-ods/forms/registration>.

DoSomething button through Rutgers Dean of Students office:

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

Wellness Coaching through Rutgers HOPE:

<http://health.rutgers.edu/education/hope/wellness-coaching/>

Self-Help Apps found on the Rutgers Student Health website:

<http://health.rutgers.edu/education/self-help/self-help-apps/>

NJ Hopeline - (1-855-654-6735) | **National Suicide Hotline** - (1-800-273-8255)

BASIC NEEDS RESOURCES

Any student who has difficulty affording groceries or accessing sufficient food, or who lacks a safe and stable place to live, is urged to contact the Rutgers Student Food Pantry and/or the Dean of Students (details below). Furthermore, please notify the professor if you are comfortable doing so, as they may be able to provide additional support.

Rutgers Student Food Pantry

848-932-5500 / College Ave Student Center, Room 115 (126 College Ave) /

<http://ruoffcampus.rutgers.edu/food/>

Check their website for hours and additional locations. The Rutgers Student Food Pantry is dedicated to helping all Rutgers students in need of food, no questions asked. Students will be provided with groceries that typically last about one week.

Dean of Students Office

848-932-2300 / 88 College Avenue, New Brunswick, NJ 08901 / <https://deanofstudents.rutgers.edu/>

Mon-Fri, 8:30am-5:00pm

The Dean of Students Office at Rutgers University-New Brunswick provides solutions, services, and support to help students navigate Rutgers University. The Office serves as a student support network by providing advocacy, problem resolution, and critical incident intervention for those times when additional assistance is needed. Please call to schedule an appointment to meet with a representative from the Dean's office.