

Physiological Psychology

PSB 3002 Sections

Time: Online

Website: [UF Canvas LMS Course page](#)

Fall 2024

Instructor

Ryan Mears, PhD
mears@ufl.edu
(352) 266-9656
Office Hours: Fri. 11 AM - noon

Teaching Assistants

- Elizabeth Colley
- Victoria Galbava

Please contact through Canvas

Office hours: tba

M/Tu/W/Th/F - AM/PM

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M/Tu/W/Th/F - AM/PM

Course Description

This course is an introductory survey of neuroscience with special relevance to psychology. An overall goal of this course is to gain appreciation of many of the physiological processes that result in functions of the brain. With an exposition of the tools and perspectives of neuroscience, we will consider how molecular pathways and neural systems produce psychological phenomena. Finally, we will study the application of neuroscience to understand normal brain development, optimize personal wellbeing, and treat disruptions of brain function.

General Education Objectives and Learning Outcomes

1. Understand how behavior relates to the structures and functions of the nervous system
2. Explore the mechanisms of sensation, homeostasis of internal states, and behavior
3. Survey mechanisms of functions of motor control, motivation, affect, and cognition
4. Examine how application of neuroscience principles and approaches contributes to remediation and enhancement of psychological well being
5. Investigate how disruptions of neural systems contribute to mental dysfunction

Required Readings and Course Content

Carlson, N.R. and M.A. Birkett (2021). *Physiology of Behavior, 13th ed.* Pearson Education

Login with UF All-Access and Opt-In to gain access to textbook. Please note that this course participates in the UF All Access program (Required). Opt-In to gain access to your required course materials. Your course schedule at one.ufl.edu will direct you toward UF All Access, which will provide you with your required materials digitally at a reduced price and the ability to pay using your student account. All Access is available 1 week prior to semesters and ends 3 weeks after the first day of class.

University of Florida General Education Courses

A minimum grade of C is required for general education credit.

As part of the general education curriculum, this class pursues 3 broad categories of student learning outcomes (SLOs):

Category	Institutional Definition	Institutional SLO
Content	Content is knowledge of terminology, concepts, methodologies, and theories used within the subject area.	Students demonstrate competence in terminology, concepts, methodologies, and theories used within the subject area.
Critical Thinking	Critical thinking is characterized by the comprehensive analysis of issues, ideas, and evidence before accepting or formulating an opinion or conclusion.	Students carefully and logically analyze information from multiple perspectives and develop reasoned solutions to problems within the subject area.
Communication	Communication is the development and expression of ideas in written and oral forms.	Students clearly and effectively communicate knowledge, ideas, and reasoning in written or oral forms appropriate to the subject area.

Biological Sciences (B)

Biological science courses provide instruction in the basic concepts, theories and terms of the scientific method in the context of the life sciences. Courses focus on major scientific developments and their impacts on society, science and the environment, and the relevant processes that govern biological systems. Students will formulate empirically-testable hypotheses derived from the study of living things, apply logical reasoning skills through scientific criticism and argument, and apply techniques of discovery and critical thinking to evaluate outcomes of experiments.

This course is part of the Biological Sciences subject area, as described below. In 2023 the University of Florida updated its General Education designations to meet the requirements of State Statute 1007.25. The [general education subject area objectives](#) describe the context within which the student learning outcomes are achieved.

“Natural Science courses must afford students the ability to critically examine and evaluate the principles of the scientific method, model construction, and use the scientific method to explain natural experiences and phenomena. There are two sub-designations under Natural Science at the University of Florida; Biological Sciences (B) & Physical Sciences (P)”

Course Policies

Grades and Scores

Exams 60%	Quizzes 40%	Research Experience (SONA) 2%
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GRADING: All assessments in this course are on Canvas. Quizzes will count for a total of 40% of the final grade and will cover material in the sub-modules (i.e, chapter sections) for which the quiz is assigned. There are three summative exams. Each examination will address the material from the relevant course segment. The exams total to 60% of the final grade (i.e, 20% per exam).

Grading Scale

Grades are assigned according to University of Florida guidelines ([Visit here for more information](#)).

Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
<i>Range</i>	100	92.5	89.5	86	82.5	79.5	76	72.5	69.5	66	62.5	59.5
	92.5	89.5	86	82.5	79.5	76	72.5	69.5	66	62.5	59.5	0

Course Schedule

		QUIZZES	TEXTBOOK	EXAMS WITH HONORLOCK*
1	Aug 19 – Aug 23	Syllabus Quiz	Ch.1	
2	Aug 26 – Aug 30	Ch1.Qz1, Ch2.Qz1	Ch.1 & 2	
3	Sept 2 – Sept 6	Ch2.Qz2, Ch2.Qz3	Ch.2 & 3	
4	Sept 9 – Sept 13	Ch3.Qz1, Ch3.Qz2		
5	Sept 16 – Sept			Exam 1 Ch. 1,2,3
6	Sept 23 – Sept	Ch4.Qz1, Ch4.Qz2	Ch.4	
7	Sept 30 – Oct 4	Ch4.Qz3, Ch6.Qz1	Ch.4 & 6	
8	Oct 7 – Oct 11	Ch6.Qz2, Ch6.Qz3, Ch8.Qz1	Ch.6 & 8	
9	Oct 14 – Oct 18	Ch8.Qz2, Ch9.Qz1, Ch9.Qz2	Ch.8 & 9	
10	Oct 21 – Oct 25			Exam 2 Ch. 4,6,8,9
11	Oct 28 – Nov 1	Ch9.Qz3, Ch10.Qz1, Ch10.Qz2	Ch.9 & 10	
12	Nov 4 – Nov 8	Ch11.Q1, Ch11.Q2	Ch.11	
13	Nov 11 – Nov 15	Ch11.Q3, Ch12.Q1, Ch12.Q2	Ch.11 & 12	
14	Nov 18 – Nov 22	Ch13.Q1, Ch13.Q2, Ch13.Q3	Ch.13	
15	Nov 25 – Nov 29	Thanksgiving	Break	
16	Dec 2 – Dec 6			Exam 3 Ch. 9,10,11,12,13
17	Dec 9 – Dec 13			

Exam Proctoring with HonorLock

Exams for this course are proctored by HonorLock. The benefits of HonorLock are that the proctoring framework is embedded in Canvas without intrusiveness and the need for prior scheduling. The goal of proctoring in this course is to place all students on a level field. Benefits of this technological support for our course include convenience and technical support for assessments online. At the start of the semester please take the practice quiz in Canvas to ensure minimum requirements for your learning environment.

Summary of Important Information

- We will not cover chapters 5, 7, and 14-18 of the textbook. (e.g., Module 5 is Chapter 6).
- Video lecture numbers do not match Learning Objective numbers.
- Module video lectures above each quiz link must be completed before taking a quiz.
- Pay careful attention to the due dates for quizzes and exams. It is the responsibility of each student to complete an exam or quiz before any potential conflicts occur for schedules of work or other courses.

Class Attendance and Make-Up Policy

Class attendance is expected. Each unexcused absence will result in a 10-point reduction in the final grade. Excused absences are consistent with university policies in the undergraduate catalog (<https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>) and require appropriate documentation. Students who can demonstrate that they were unable to submit an assignment by the deadline due to an excused absence and who can provide appropriate documentation for the absence will be given a reasonable period of time to make up the late work.

Other Course Policies

Exams

Each online exam will be available during only on the date specified in this syllabus. Each exam has a time limit of 60 minutes, and the exam window will cease activity (i.e., automatically close) at the end of the 60 minutes. You have only a single opportunity to take each exam. All online quizzes and examinations must be completed on time (i.e. by the due date and time). Exams summarize what has been learned in the course for a set of modules. Feedback will not be provided on exams in order to support the validity of material for comparison from year to year across classes. Honor code violations for an exam will result in grade sanctions of a 20% point-value reduction on the exam (i.e., two letter-grades).

Quizzes

Each online quiz is available a minimum of a week before its due date and time. Then, after the due date it will disappear, along with the opportunity to get points for it. Each quiz has a time limit of 10 minutes, and the quiz form in Canvas will cease activity at the end of the time period. Quizzes will consist of individually presented multiple-choice and/or short-answer questions. Students who share or attempt to share information pertaining to course content in the form that is assessed in quizzes or exams will be referred to Student Conduct and Conflict Resolution (SCCR) Office in the Dean of Students Office. <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>
Honor code violations for quizzes will result in grade sanctions of a 20% point-value reduction on the assignment.

When taking quizzes

It's important to read textbook sections and watch lectures before each quiz . You have only one opportunity to take each quiz, so make certain you are well prepared before you start the quiz.

Feedback from quizzes

Learning assessments consist of frequent low-stakes quizzes, and will NOT be provided online. Instructive and general feedback for quiz questions is geared toward indicating areas of material that need additional work. Feedback pertaining to missed questions or correct answers will be provided only during office hours for an individual student. Office hours meeting to discuss quizzes can be in person or in a closed-room conference on Zoom. Specific instructions for use of audio/visual conferencing on Zoom are on the UF E-learning website.

<https://elearning.ufl.edu/zoom/>

Late Policy

At the start of the semester, please read through the syllabus for potential conflicts that will occur. Students are expected to progress through the course on the timetable outlined in this syllabus. It is advised that students take quizzes and turn in assignments early, in order to avoid any potential (i.e., but, unlikely) problems with technology. A late quiz or exam will be lowered 10% for every day it is late, including weekends. Once a deadline passes at midnight, the late policy is implemented by Canvas.

Situations where adjustments will not be made

- *Travel* – Students are responsible to take quizzes or exams before travelling.
- *Internet Connection Problem* – It is the responsibility of each student to take quizzes and exams from locations with a reliable internet connection. A dedicated room for online assessments is available in UF Library West. To make a reservation for a time of high demand go to the following website: <http://ufl.libcal.com/spaces?lid=4458&gid=8873>
- *Technical Problems From Other Causes* – Although is the responsibility of each student to have a reliable connection to complete homework and take quizzes and exams, there are other problems that can occur. If there is a different problem, a support ticket must be obtained directly from HonorLock or from the UF help desk. Technical support from these services will be necessary diagnose and certify the source of any problem. In fact, causes of connection problems, hardware, or other software problems can be adequately diagnosed, so students are encouraged to actively troubleshoot with support personnel. Course instructors will not respond regarding any technical problems that do not have a prior support ticket from UF or HonorLock.

Recording Policy

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence

in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Students Requiring Accommodations

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

Materials and Supplies Fees

There are no additional fees for this course.

University Honesty Policy

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

The Honor Code (<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs.

Counseling and Wellness Center

Contact information for the Counseling and Wellness Center:

<https://counseling.ufl.edu/> , 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Writing Studio

The writing studio is committed to helping University of Florida students meet their academic and professional goals by becoming better writers. Visit the writing studio online at

<http://writing.ufl.edu/writing-studio/> or in 302 Tigert Hall for one-on-one consultations and workshops.