



WELCOME TO PSB-3002 PHYSIOLOGICAL PSYCHOLOGY!



Instructor: Sara Pickernell

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*Please do not email me through Canvas

Office: 311H Psychology Building

Office Hours: Tuesday + Thursday 1:45-2:45pm or by appointment

Class times: M, T, W, Th, F – Period 4 (12:30-1:45pm)

Course Description and Objectives

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.

Biological Sciences General Education Subject Area Objectives

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.

Required Material

Title: *Physiology of Behavior*, 13th Edition

Author: N.R. Carlson & M. A. Birkett

Publisher: Pearson

UF ALL ACCESS LINK: <https://www.bsd.ufl.edu/allaccess>

This textbook is required for the course and is provided at a reduced rate through the UF All Access program. Students must OPT IN to the UF All Access Materials within the first three weeks of the course to obtain the text at this rate. This will grant you instant access to the digital text. Students will be billed to their student accounts automatically and if they have Financial Aid available, it will automatically pay for these charges. A document with the instructions and FAQ for UF All Access is located on the Canvas site for this course. You do not need to purchase the REVEL accompaniment to the textbook.

Prerequisites

Students who register for this course are required to have an introductory course in Psychology (e.g., PSY2012). Fundamental knowledge in introductory Biology (e.g. BSC2010) is helpful, but not required. The course is self-contained - meaning that everything you need is contained within the course materials. Accordingly, this course is appropriate for students who have a broad interest in psychology, neuroscience, and the biological basis of behavior.

Participation, Attendance & Late Policy

Attendance will not be taken. However, material that is covered during the lecture will be included on the quizzes and exams. Exams will be held **in-class** during Friday lecture. Please contact me as soon as possible with appropriate documentation if you have a university approved excused absence to make-up an exam. Requirements for class attendance, make-up quizzes and exams, and other work in this course are consistent with university policies. <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>. Late quizzes will receive a 25% deduction (1.25 points).

Students with Special Needs

Students with disabilities who experience learning barriers and would like to request academic accommodations are encouraged to connect with the Disability Resource Center. It is important for students to share their accommodation letter with their instructor and discuss their access needs as early as possible in the semester. The Disability Resource Center is located in 001 Building 0020 (Reid Hall) <https://disability.ufl.edu/>. Their phone number is 352-392-8565.

Student Disclosures of Sexual Violence

UF fosters a campus free of sexual violence including sexual harassment, domestic violence, dating violence, stalking, and/or any form of sex or gender discrimination. If you disclose a personal experience as a UF student, the course instructor is required to notify the Title IX Coordinator by completing the report form available at <https://titleix.ufl.edu/report-an-issue/>, emailing titleix@ad.ufl.edu or calling (352) 273-1094. Feel comfortable coming to me with any issues.

Grading Scale

Assignment	Points
Chapter Quizzes (15 total: drop lowest 3, 5 points each)	60
Unit Exams (3 total, 30 points each)	90
Total	150

Grade	Scale	Grade	Scale
A	93-100%	C	73-76%
A-	90-92%	C-	70-72%
B+	87-89%	D+	67-69%
B	83-86%	D	63-66%
B-	80-82%	D-	60-62%
C+	77-79%	E	<60%

Note: Total points with a decimal value equal to or greater than .50 will be rounded to the next number. A minimum grade of C is required for general education credit. For information on UF grading policies, see <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>. **PLEASE DO NOT ASK ME TO GIVE YOU POINTS.**

Assessment

You will be assessed on course material via fifteen chapter quizzes and three in-person unit exams. Each of the 15 online quizzes will have 10 multiple choice questions and will cover the material in the chapter for which the quiz is assigned. The quizzes will count for a total of 40% of the final grade. The three lowest quiz grades will be dropped and will not count towards the final grade.

Each in-person exam will have 50 multiple choice questions. Each of these exams will only cover the textbook and lecture material from the chapters that have most recently been discussed in class (i.e. Exam 1 will cover material from the beginning of the course up to the time of the exam; Exam 2 will cover material assigned after exam 1; and exam 3 will cover material assigned after exam 2). The exams will count for 60% of the final grade (20% per exam).

Quiz / Exam Policy

Each online quiz is available on the dates and times specified in this syllabus, and will close at its due date and time (i.e. 11:59pm on the Friday of the week in which the chapter is assigned). All online quizzes must be completed on time. The quizzes are not proctored, and you can use textbooks, lecture notes, and other resources to independently find the answers to the questions. However, each quiz is limited to 15 minutes, so you are expected to have a reasonable knowledge of the material in order to complete the quiz in the allotted time. Your best 12 out of 15 quizzes will count towards your final grade. Please pay careful attention to the due dates for all quizzes – as we will cover multiple chapters in a week, more than one quiz will be due at the end of each week.

All three in-person exams must be completed and the grades for all three exams will be included in the calculation of your final grade. You will need to bring an official photo ID (Gator1 / driver's license) to take the exams. You will also need a #2 pencil to take the exams. Note – if you arrive late for an exam, you may be refused. If any student has completed the exam and left, you will not be permitted to take the exam.

Policy for Disputing a Grade

You will have **one week** (including weekends and holidays) after any course material grade has been posted to dispute your grade. The exception will be the quizzes in the last week of the course and the third exam because there won't be enough time to complete disputes and turn grades in. Disputes will NOT be accepted after that date.

UF Honor Code

I am not willing to give a passing grade to those who do not abide by the UF honor code. Any student who cheats or helps another student cheat will receive an E (Fail) in this class. When students enroll at the university, they commit themselves to the standard drafted and enacted by students.

Preamble: In adopting this honor code, the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the university community. Students who enroll at the university commit to holding themselves and their peers to the high standard of honor required by the honor code. Any individual who becomes aware of a violation of the honor code is bound by honor to take corrective action. The quality of a University of Florida education is dependent upon community acceptance and enforcement of the honor code.

Honor Pledge: We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty 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."

It should be clear that academic dishonesty, such as cheating, is NOT tolerated at the University of Florida. Cheating is defined in the University Handbook, and it is the student's responsibility to be familiar with its many forms (including plagiarism). If there is a suspected academic honesty violation, the Student Honor Code Procedures will be followed. CHEATING WILL NOT BE TOLERATED.

In-Class Recordings

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.

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.

Online Evaluation Process

You are expected to complete an evaluation at the end of the semester. Evaluations can be located via GatorEvals. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Campus Resources

Health and Wellness

- **U Matter, We Care:** If you or a friend is in distress, please contact umatter@ufl.edu or 352-392-1575 so that a team member can reach out to the student.
- **Counseling and Wellness Center:** <http://www.counseling.ufl.edu/cwc/Default.aspx>, 352- 392-1575;
- **Student Health Care Center:** 352-392-1161 for 24/7 information to help you find the care you need
- **University Police Department:** 392-1111 or 9-1-1 for emergencies, <http://www.police.ufl.edu/>.
- **Sexual Assault Recovery Services (SARS):** Student Health Care Center, 352- 392-1161
- **UF Health Shands Emergency Room/ Trauma Center:** For immediate medical care, call 3522733-0111 or go to the emergency room at 1515 Archer Road, Gainesville, FL 32608

Academic and Other Student Resources

- **Canvas technical support:** 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. <https://lss.at.ufl.edu/help.shtml>.
- **Career Resource Center:** Reitz Union, 392-1601. Career assistance and counseling. <http://www.crc.ufl.edu/>
- **Library Support:** <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.
- **Teaching Center:** Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. <http://teachingcenter.ufl.edu/>
- **Writing Studio:** 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. <http://writing.ufl.edu/writing-studio/>
- **Hitchcock Field & Fork Pantry:** <https://pantry.fieldandfork.ufl.edu/> Free food pantry for students, faculty and staff facing food insecurity.
- **Student Complaints Campus:** https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf
- **On-Line Students Complaints:** <http://www.distance.ufl.edu/student-complaint-process>

Summer 2023 Class Schedule

DATE	LECTURE TOPICS
5/15-5/19	<p style="text-align: center;">Syllabus!</p> <p style="text-align: center;">Ch 1: Introduction, Ch 2: Structure and Function of Neural Cells, Ch 3: Structure of the Nervous System</p>
5/19	<p style="text-align: center;">QUIZ for chapters 1, 2, and 3 DUE 11:59pm</p>
5/22 – 5/26	<p style="text-align: center;">Ch 4: Psychopharmacology, Ch 5: Research Methods</p>
5/26	<p style="text-align: center;">EXAM 1 In-Class</p> <p style="text-align: center;">QUIZ for chapters 4 and 5 DUE 11:59pm</p>
5/29	<p style="text-align: center;">NO CLASS – Memorial Day</p>
5/30 – 6/2	<p style="text-align: center;">Ch 6: Vision, Ch 8: Control of Movement, Ch 9: Sleep and Biological Rhythms</p>
6/2	<p style="text-align: center;">QUIZ for chapters 6, 8, and 9 DUE 11:59pm</p>
6/5 – 6/9	<p style="text-align: center;">Ch 10: Reproductive and Parental Behavior, Ch 11: Emotion,</p>
6/9	<p style="text-align: center;">EXAM 2 In-Class</p> <p style="text-align: center;">QUIZ for chapters 10 and 11 DUE 11:59pm</p>
6/12 – 6/16	<p style="text-align: center;">Ch 13: Learning and Memory, Ch 15: The Developing Nervous System, Ch 16: Neurological Disorders,</p>
6/16	<p style="text-align: center;">QUIZ for chapters 13, 15, and 16 DUE 11:59pm</p>
6/19 – 6/23	<p style="text-align: center;">Ch 17: Schizophrenia and the Affective Disorders, Ch 18: Stress and Anxiety Disorders</p>
6/23	<p style="text-align: center;">EXAM 3 In-class</p> <p style="text-align: center;">QUIZ for Chapters 17 and 18 DUE 11:59pm</p>

Note: Please read the chapter before the specific class meetings. The course schedule may change as needed, depending on how much we are enjoying each chapter. It is your responsibility to keep up with the changes by coming to class and reading announcements to stay updated. Also, it is not feasible to cover all of the materials in the textbook during the class meetings. Rather, I will focus on major and important themes in the chapters. All material in the textbook and lecture is eligible to be included in the quizzes.

In response to COVID-19, the following recommendations are in place to maintain your learning environment, to enhance the safety of our in-classroom interactions, and to further the health and safety of ourselves, our neighbors, and our loved ones.

- If you are not vaccinated, get vaccinated. Vaccines are readily available and have been demonstrated to be safe and effective against the COVID-19 virus. Visit one.uf for screening / testing and vaccination opportunities.
- If you are sick, stay home. Please call your primary care provider if you are ill and need immediate care or the UF Student Health Care Center at 352-392-1161 to be evaluated.
- Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work.

*I reserve the right to revise the syllabus in order to accommodate the needs of the course. In case of any updates, please pay attention to the course announcements.

General Education and Subject Area Student Learning Outcomes

Category	Institutional Definition	Institutional SLO	
Content	Content is knowledge of the terminology, concepts, methodologies and theories used within the subject area	Students demonstrate competence in the 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 analyse 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.	
Subject Area	Content	Critical Thinking	Communication
Physical and Biological Sciences	Identify, describe, and explain the basic concepts, theories, and terminology of natural science and the scientific method; the major scientific discoveries and the impacts on society and the environment; and the relevant processes that govern biological and physical systems.	Formulate empirically-testable hypotheses derived from the study of physical processes or living things; apply logical reasoning skills effectively through scientific criticism and argument; and apply techniques of discovery and critical thinking effectively to solve scientific problems and to evaluate outcomes.	Communicate scientific knowledge, thoughts, and reasoning clearly and effectively.