University of Florida  
Department of Psychology  

Physiological Psychology

PSB 3002, Section 2184/19650                  Fall 2018

Meeting Times: T Periods 2-3 (8:30-10:25); Th Period 3 (9:35-10:25)  
Location: Williamson Hall WM 100

Instructor: Dr. Lori Knackstedt, Ph.D.  
Email: knack@ufl.edu  
Office hours: Tuesday 10:45-11:45  
Office: Psychology Bldg Rm 322

T.A.: Javier Mesa  
Email: j.mesa@ufl.edu  
Office hours: Thursday 1-3 pm  
Office: Psychology Bldg Rm 311F


PSB 3002 will be participating in the UF All Access program. Students will have two options to gain access to the required REVEL e-book materials when classes begin in August. Students will have to choose to “Opt-In” to REVEL access through a link provided in Canvas once classes begin for a reduced price and pay for these materials through their student account. Students who do not choose this option will be able to purchase a standalone code through the UF Bookstore. Both options provide access to the same online materials however the discounted price will only be available through the Gator1 Central portal. You can log in to the Gator1 Central portal and view your participating courses when classes begin here: https://www.bsd.ufl.edu/G1CO/IPay1f/start.aspx?TASK=INCLUDED. Once you have registered your REVEL access code, if you wish to purchase a print upgrade (hard copy textbook), you may do so for $19.95. Revel will be part of your course grade.

General Information: This course is an introduction to the concepts, methods and data of behavioral neuroscience. Physiological psychology is concerned with biological factors that govern behavior. These factors include physiology, pharmacology, biochemistry and anatomy – ranging from individual molecules to the whole organism. Topics will include the structure and functions of the nervous system, including the function of individual nerve cells, communication between cells and the organization of the nervous system into sensory, motor and emotional systems. These underlying mechanisms will then be applied to understand complex issues such as memory, psychological disorders and the pathophysiology of disease.

Attendance and punctuality: Attendance will not be taken, however it is strongly recommended in order to succeed in this course. You are responsible for obtaining notes from missed classes from a classmate. If you arrive late to an exam, you will be permitted to begin the exam so long as no student has completed the exam and left the testing area.
Cell phones/tablets: Please do not use cell phones or disrupt other students during class, you may be asked to leave. If you are caught looking at a mobile device during an exam, you will be asked to leave immediately and will assume forfeit of any grade for the current exam.

Questions/e-mail policy: Questions during class are encouraged if you do not understand the material covered. Questions unrelated to the course material and considered off topic may be deferred to after class time, office hours, or email in order to cover class material in a timely manner. If you have a question that requires more than one or two sentence response for myself or the TA, you are encouraged to come to office hours instead.

Grading: There will be 5 exams. The lowest of the 5 exams will be dropped. The four highest of the five exams will each be weighed equally.

Make-up policy: There will be no make-up exams due to the fact that one of the exam grades will be dropped. If you are unable to take an exam, your only option for a “make-up” opportunity is the last exam.

Extra credit/curve: No extra credit will be given during this class. If the class average for final grades is below a 75%, I will curve the final grades such that there is an average of 75%. Each individual exam will NOT be curved.

**Final Grade Calculation**

Highest exam score (20% final grade) x 0.2 = ___________

2\textsuperscript{nd} highest exam score (20% final grade) x 0.2 = ___________

3\textsuperscript{rd} highest exam score (20% final grade) x 0.2 = ___________

4\textsuperscript{th} highest exam score (20% final grade) x 0.2 = ___________

Revel “Quizzes” (20% final grade) = total # points earned x 0.2 = ___________

Final course grade = sum of all above:_____________________________

Grading Scale:

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<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>93-100</td>
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<td>A-</td>
<td>90-92</td>
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<td>B+</td>
<td>87-89</td>
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<td>B</td>
<td>83-86</td>
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<td>B-</td>
<td>80-82</td>
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<td>C+</td>
<td>77-79</td>
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<td>C</td>
<td>73-76</td>
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<td>C-</td>
<td>70-72</td>
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<td>Week - Dates</td>
<td>Topic</td>
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<tr>
<td>1 8/23</td>
<td>Syllabus overview</td>
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<tr>
<td>2 8/28</td>
<td>Cells of the Nervous System</td>
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<td>Communication within a neuron</td>
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<td>Communication between neurons</td>
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<td>3 9/4</td>
<td>Basic Features of the Nervous System</td>
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<td>Structure &amp; Function of the NS</td>
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<td>9/6</td>
<td>Structure and Function of the PNS</td>
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<td>4 9/11</td>
<td>Review Chapters 2-3</td>
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<td>Exam 1</td>
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<td>5 9/18</td>
<td>Psychopharmacology</td>
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<td>Research Methods</td>
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<td>6 9/25</td>
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<td>Review for exam (if time)</td>
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<td>9/27</td>
<td>Exam 2</td>
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<td>7 10/2</td>
<td>Vision: The Eye; Brain regions</td>
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<td>Vision: Perception of Color</td>
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<td>8 10/9</td>
<td>Sensory Systems: Audition</td>
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<td>Sensory Systems: Vestib./Somatosenses</td>
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<td>Sensory Systems: Gustation/Olfaction</td>
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<td>10/11</td>
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<td>9 10/16</td>
<td>Control of Movement by the Brain</td>
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<td>Review for exam (if time)</td>
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<td>Exam 3</td>
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<td>10 10/23</td>
<td>Learning: Overview</td>
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<td>Types of Learning</td>
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<td>Amnesia</td>
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<td>11 10/30</td>
<td>Long-term Potentiation</td>
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<td>Affective Disorders</td>
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<td>11/1</td>
<td>Schizophrenia</td>
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<td>12 11/6</td>
<td>Review for exam (Mr. Mesa)</td>
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<td>13 11/8</td>
<td>Exam 4</td>
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<td>Physiological Mechanisms of Sleep</td>
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<td>15</td>
<td>Sleep Disorders</td>
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<td>16</td>
<td>No class – Thanksgiving break</td>
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<td>16</td>
<td>Stress</td>
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<td>PTSD</td>
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<td>16</td>
<td>Anxiety Disorders/OCD</td>
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<td>17</td>
<td>Exam 5 (Only During Period 2; 8:30-9:20)</td>
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You are responsible for adhering to any University of Florida academic policies even if not mentioned below.

**ADDITIONAL SUPPORT FOR STUDENTS WITH DISABILITIES:** Students requesting accommodation for disabilities must first register with the Dean of Students Office (http://www.dso.ufl.edu/drc/). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

**ACADEMIC HONESTY GUIDELINES:** The academic community of students and faculty at the University of Florida strives to develop, sustain and protect an environment of honesty, trust and respect. Students are expected to pursue knowledge with integrity. Exhibiting honesty in academic pursuits and reporting violations of the Academic Honesty Guidelines will encourage others to act with integrity. Violations of the Academic Honesty Guidelines shall result in judicial action and a student being subject to the sanctions in paragraph XI of the Student Conduct Code. The conduct set forth hereinafter constitutes a violation of the Academic Honesty Guidelines (University of Florida Rule 6C1-4.017).

**UF's Academic Honesty Policy** is clearly stated in rule: 6C1-4.017 Student Affairs: Academic Honesty Guidelines.

**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."