This course is designed to familiarize students to the principles of biological psychology and to the fundamentals of the relationships between behavior and brain function. The course will provide a survey of the structure and function of the nervous system, a thorough discussion of the sensory and motor systems that are necessary for our ability to function effectively in the world, and, finally, a discussion of the application of these principles to specific behavioral topics. Association with everyday life experiences will be made as often as possible. By the end of the semester, you will be expected to be conversant in conventional biological terminology and to be able to discuss the relationship between the biological processes covered during the course and the behavioral/experiential correlates of those processes.

Lectures: You must come to class and take notes to do well in this class! I will not insult your intelligence and waste your time by regurgitating the text book in lectures. Note I will only provide you with lecture slides that contain material covered in class: diagrams, pictures, videos (access online class website), graphs etc. However, I will not provide you with notes, nor will I post notes. As a professional student it is your job to take notes and come to every class. All lecture slides will be available online (D2L, above) hopefully at least a few days before class. I urge you to print these notes in Color and as full pages, and then to write your notes on them and other pages if needed.

Phones and Computers: There is no reason to use your phone (FOR ANY REASON) in class! So if you choose to do this I will dismiss you from the class with a zero for your first exam. The Third time I have to do this you will be given a zero for the entire class and subsequently ejected from the course. No computers are needed for this class, so no computers. Unless you have a strict disability that requires you to use a computer then talk to me after class.

Grades: Ignorance of exam dates does NOT provide a legitimate excuse for missing an exam. There will be 4 exams total. EXAMS 1, 2, & 3 will each consist of 50 multiple-choice questions worth 2 points each. The FINAL EXAM will be quasi-cumulative and will consist of 100 multiple-choice questions worth 1 point each. The lowest grade from Exams 1-3 will be dropped. For this reason, I will give no make-up exams after the rest of the class takes the exam. KEEP IN MIND THAT THE FINAL IS REQUIRED - your grade on
this test will not be dropped under any circumstance. If you have a University-sponsored conflict on the day of an exam (for example, if you are a member of a Univ. of Colorado sports team that will be competing out-of-town that day), you can take the exam before the listed exam date with a letter of verification from your coach. You will receive a grade of ZERO for any exam not taken.

The point breakdown is described below. Each exam will include questions derived from: 1. the lecture on material NOT in the book; 2. the assigned textbook reading on material NOT in the lecture, and; 3. material covered both in lecture and in the book. Mastery of the material covered in the textbook and lecture are both required, and essential for successful completion of this course. There is no extra credit available.

Exam Curves will be given if a statistical need for one is warranted (By God i.e Me NOT TimTebow)!

The final exam is on Tuesday, May 6 (10:30 AM - 1:00 PM) it is mandatory and required for passing the course.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>100</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
</tr>
<tr>
<td>Exam 3</td>
<td>100</td>
</tr>
<tr>
<td>Final</td>
<td>100</td>
</tr>
</tbody>
</table>

400 points = TOTAL POSSIBLE EXAM POINTS

-100 points = Drop Lowest grade (Exam 1-3)

300 POINTS = TOTAL POINTS

*If necessary I will decide to curve a particular exam, however this is unlikely!

The following chart lists the letter grade equivalent to the final scores:

<table>
<thead>
<tr>
<th>Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>94-100</td>
<td>A</td>
</tr>
<tr>
<td>90-93</td>
<td>A-</td>
</tr>
<tr>
<td>87-89</td>
<td>B+</td>
</tr>
<tr>
<td>84-86</td>
<td>B</td>
</tr>
<tr>
<td>80-83</td>
<td>B-</td>
</tr>
<tr>
<td>77-79</td>
<td>C+</td>
</tr>
<tr>
<td>74-76</td>
<td>C</td>
</tr>
<tr>
<td>70-73</td>
<td>C-</td>
</tr>
<tr>
<td>67-69</td>
<td>D+</td>
</tr>
<tr>
<td>64-66</td>
<td>D</td>
</tr>
<tr>
<td>60-63</td>
<td>D-</td>
</tr>
<tr>
<td>Below 60</td>
<td>F</td>
</tr>
</tbody>
</table>

COURSE POLICIES:

Disability: If you qualify for accommodations because of a disability, please submit a letter to me from Disability Services in a timely manner so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. (303-492-8671, Willard 322, www.colorado.edu/disabilityservices)

Religious Obligations: If you have religious obligations that conflict with the schedule please see me and we can work it out.

Honor Code: The University has an Honor Code: (http://www.colorado.edu/academics/honorcode/). Follow it. Cheating/plagiarism will be dealt with severely.

Add/Drop and Pass Fail: see the student handbook for requisite dates... you are responsible for meeting any deadlines as described by the university.

Classroom Behavior: If you are not sure that you “learned everything I really needed to know in kindergarten” about classroom behavior, check on line at: http://www.colorado.edu/policies/classbehavior.html.

On a related note – a few words on political correctness: Some of the topics that we will cover in this course touch on sensitive issues. Examples include evolutionary theory, the use of animals in experimentation, sexual function and dysfunction, diseases and disorders of the brain, and drug abuse. We will do our best to present information in an unbiased and non-judgmental way, and to be sensitive
to individuals with divergent views – we ask the same of you.

AGREEMENTS FOR PARTICIPATING IN THE COURSE

My philosophy of teaching is based on the principle that learning can be fun and exciting. My intent is to deliver lectures that you will look forward to attending. We hope to establish a "learning community" that functions in an environment that will enhance the attainment of these goals. You, as students, have some responsibilities in this process.

As members of this learning community, we expect that:

• You will make every effort to be on time for class. If you MUST be late, please enter quietly and with minimal disturbance to those around you.
• You will not sleep or read the newspaper or any unrelated materials while in lecture. If you want to sleep, stay in bed. If you want to read the paper or anything else not related to the course, there are many lovely spots to do soon campus – but the classroom is not one of them.
• You will not engage in any behaviors that infringe on the rights of your peers to obtain the maximum learning experience during lectures.
• You will deal with any complaints or criticisms in a mature and professional manner. Please communicate your concerns either personally or anonymously to your TA or me.
• You take responsibility for your learning experience. If you are having difficulty with the material, seek help from your TA or me. Form study groups. These groups are a terrific opportunity for sharing ideas, meeting new people, and enhancing your absorption of the course content.
• Your academic performance is based on YOUR honest efforts. Academic dishonesty will be dealt with according to the rules of the University.

Tentative Course Schedule: Next Page

You Must Come to Class and take notes to do well in this class! I will not insult your intelligence and waste your money by regurgitating the text book to you in lectures. The text is a reference for you to use for an alternative support to understanding the material.

Course schedule is a rough outline of what I hope to accomplish, note that there are no dates of when material will be covered, this is a flexible schedule and only shows the order and related chapter reading. Also, note that all material covered is not in the Book, thus you must come to class!

IF YOU CANNOT COMMIT TO THESE AGREEMENTS, PLEASE DROP THIS CLASS. If you attend the next class meeting, you are accepting responsibility for the above agreements.
Section 1. Anatomy

Week 1: Intro, Overview of Course & Research Methods
Reading Assignments, pg. 1-17, 102-118

Week 1-2: Gross Anatomy the Central Nervous System
Reading Assignments, pg. 50-74

Week 2-3: Neuroanatomy: Cells of the PNS & CNS
Reading Assignments, Come to class

Week 3-4: Neuroanatomy: Fundamental neural pathways:
Reading Assignments, Come to class

Week 4: Review February 07 (Tuesday) Exam—1 (Thursday) February 09

Section 2. The Functional Neuron and Basic Neural sensory and motor pathway

Week 5: The excitable cell: Resting Potential, Graded Potential and Action Potentials
Reading Assignments, pg. 86-91

Week 5-6: Synaptic Communication, Neurotransmission & Post-translational activity
Reading Assignments, pg. 92-94

Week 6-7: Perception and Somatosensation
Reading Assignments, pg. 131-152 and 164-186

Week 7-8: Somatosensation and Movement
Reading Assignments, pg. 191-214

Week 8: Review March 06 (Tuesday) Exam—2 (Thursday) March 08

Section 3. Neural Systems and Behavior

March 13th and 15th: Pharmacology (Psychoactive drugs)
Reading Assignments, pg. 383-407

March 20th and 22nd: Brain Disorders (Anxiety-types, depression-types, schizophrenia and)
Reading Assignments, pg. 442-464

SPRING BREAK March 24th to April 1st

April 3rd and 5th: Emotions (ex: Fear and stress).
Reading Assignments, pg. 442-464

April 10th (Tuesday)-Review Exam—3 (Thursday) April 12th

Section 4. Neural Systems and Behavior continued

April 17th and 19th: Neurodevelopment, Pathology, degeneration-regeneration
Reading Assignments, pg. 219-247

Week 24th and 26th: Learning and Memory
Reading Assignments, pg. 284-289

May 1st: LTP: Long Term Potentiation
Reading Assignments, pg. 284-290

May 3rd (Last Day):

Week 16 finals May Final (Semi/Quasi-cumulative)
Location to be determined!

IF YOU CANNOT COMMIT TO THESE AGREEMENTS, PLEASE DROP THIS CLASS. IF you attend the next class meeting, you are accepting responsibility for the above agreements.