PSYCHOLOGY 115, WINTER 2018
PRINCIPLES OF BEHAVIORAL NEUROSCIENCE

Description of the course: This course is designed to provide you with a survey of the anatomy, physiology, and pharmacology of the nervous system, with an emphasis on the biological basis of behavioral processes.

Lectures: Wednesdays and Fridays, 2:00 – 3:15 PM in Haines 39.

Exams: Three midterm exams will be administered. Midterm #1 will be given in class on Wednesday, Jan 31. Midterm #2 will be given in class on Friday, Feb 23. Midterm #3 will be given during the assigned final exam time on Monday, Mar 19, 11:30 AM - 2:30 PM (location to be announced). You must attend these exams at these times (or make UCLA-sanctioned alternative arrangements through OSD, athletics, etc.). If you have an unavoidable conflict that will prevent you from attending one of the exams, then please DROP THE COURSE NOW because you will not be permitted to make up exams for unsanctioned absences.


Clicker: You must a clicker device from i>clicker™. No other company’s clicker provides signals accepted by the i>clicker receiver™. If you have not already purchased and registered your clicker, you will need to go to the class (CCLE) website and register it.

Professor: Dr. H. Tad Blair, office hours on Mondays from 1:00-2:00 PM in Franz 8619

Teaching Assistant (TA) office hours:
Terry Prins, Franz 2268: Tuesdays, 2:00 – 3:00; Franz 3534: Fridays 11-12
Amy Zheng, Franz 8580: Wednesdays, 4:30 – 5:30, Thursdays, 1:00 – 2:00

Lecture Slides: Slides for class and discussion lectures will be posted on the course website, usually before class begins. You may print out the slides and bring them to class with you to assist with your note-taking. Lectures will also be podcasted by Bruincast (both video and audio).

Grading: 3 Midterms (23% each), Discussion Grade (21%), Bibliography (6%), Clicker (4%)
- Grades will be posted to my.UCLA; grades will not be posted in any other location.
- If necessary, final grades may be curved upwards to achieve a class distribution of ~20% A’s, 30% B’s, 40% C’s, 10% D/F’s. BUT WE WILL NOT BE CURVING ANY ONE’S GRADE DOWN FOR ANY REASON.

Re-grading policy: If you have questions about the grade you received on an exam, quiz, or paper, you must first submit an email request to your TA, who will evaluate your concerns. The professor will not consider your requests for a re-grade unless you have addressed your concerns to the TA first. If a regrading request is appealed to the professor, then the professor will re-grade the entire assignment by hand, not just the question the student is asking about.
Course Details:

1. **You must enroll in a discussion section**, which will account for 21% of your final grade. Weekly discussion sections will be held during 7 of the 10 weeks in the quarter (no section meetings in weeks 1, 2, or 7). Please do not sign up for a discussion section that conflicts with another course because Discussion section attendance is mandatory. If you are not enrolled in a discussion by the end of the second week, you will be automatically dropped from the course. Students with enrollment concerns should visit the Psychology Advising Office, 1531 Franz Hall.

You may switch sections at the beginning of the quarter if you find someone willing to swap with you, but all swaps must be completed prior to the end of week 2. At the end of week 2, further swaps will not be possible, and you will only receive credit for attending and taking quizzes within the section in which you are enrolled. You may receive TA permission to attend the lecture component of a section in which you are not enrolled, but you will not receive attendance or quiz credit in any discussion section other than the one you are registered in. There will be absolutely no exceptions to this.

The first ten minutes of each discussion section will consist of a quiz with questions pertaining to the lecture or textbook reading assignment from the previous week; if you arrive too late to take the quiz, you will miss the quiz and get a score of zero. Quiz questions will be taken from the textbook material, not the lecture material (although these will sometimes overlap). After the quiz, the TA will give a lecture on a topical issue that relates to the course. **It is important to attend discussion lectures because the discussion lecture material will be covered on the midterm exams.**

Your discussion grade will be based on quiz grades (3 points per week for 6 weeks, total of 18 points) and attendance (3 points total for the quarter, 0.5 points per section attendance for up to six attendances, total of 3 points). Sections will not be held in week 1, 2, or 7, so there are 7 weeks of section in all. There are only 6 quiz grades (rather than 7) because your lowest quiz score will be dropped. If you miss a quiz for any reason (including excusable absences), then that will count as your dropped quiz and you will not be permitted to drop another quiz. You will not be allowed to make up a second missed quiz except in extreme circumstances. **The discussion section schedule is:**

<table>
<thead>
<tr>
<th>Section</th>
<th>Day</th>
<th>Start</th>
<th>End</th>
<th>Bldg</th>
<th>Rm</th>
<th>TA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1C</td>
<td>M</td>
<td>3:30P</td>
<td>4:20A</td>
<td>BUNCHE</td>
<td>3157</td>
<td>Zheng</td>
</tr>
<tr>
<td>1D</td>
<td>T</td>
<td>2:00P</td>
<td>2:50A</td>
<td>FRANZ</td>
<td>1571</td>
<td>Prins</td>
</tr>
<tr>
<td>1E</td>
<td>T</td>
<td>3:00P</td>
<td>3:50P</td>
<td>FRANZ</td>
<td>1571</td>
<td>Prins</td>
</tr>
<tr>
<td>1H</td>
<td>W</td>
<td>3:30P</td>
<td>4:20P</td>
<td>PAB</td>
<td>2434</td>
<td>Zheng</td>
</tr>
<tr>
<td>1I</td>
<td>R</td>
<td>2:00A</td>
<td>2:50A</td>
<td>FRANZ</td>
<td>A279</td>
<td>Zheng</td>
</tr>
<tr>
<td>1J</td>
<td>R</td>
<td>3:00P</td>
<td>3:50P</td>
<td>FRANZ</td>
<td>A279</td>
<td>Zheng</td>
</tr>
<tr>
<td>1K</td>
<td>F</td>
<td>8:00A</td>
<td>8:50A</td>
<td>WGYOUNG</td>
<td>1044</td>
<td>Prins</td>
</tr>
<tr>
<td>1L</td>
<td>F</td>
<td>9:00A</td>
<td>9:50A</td>
<td>WGYOUNG</td>
<td>1044</td>
<td>Prins</td>
</tr>
</tbody>
</table>
2. Exams

- **Exam dates & times:**
  - Wed., Jan. 31 during class. This multiple choice / fill-in-the-blank / short answer exam covers topics discussed in weeks 1-3 (95% from lectures on Jan. 10 – Jan. 26, 5% from week 3 discussion sections), and counts for 23% of your overall grade. You will have the entire class period (1 h, 15 m) to complete the exam.
  - Fri., Feb 23 during class. This multiple choice / fill-in-the-blank / short answer exam covers topics discussed in weeks 4-7 (85% from lectures on Feb. 2 – Feb. 21, 15% from weeks 4, 5, & 6 discussion sections), and counts for 23% of your overall grade. You will have the entire class period (1 hr, 15 min) to complete the exam.
  - Mon., Mar. 19 during final exam time from 11:30 AM – 2:00 PM (location TBA). This multiple choice / fill-in-the-blank / short answer exam is not cumulative and covers only topics discussed in weeks 8, 9, & 10 (85% from lectures on Feb. 28 – Mar. 16, 15% from weeks 8, 9, & 10 discussion). It counts for 23% of your overall grade. You will have 2/3 of the final exam period (2 hours) to complete the exam.

- **You must arrive on time for the exams.** Points will be deducted if you arrive after the start time of the exam, and LARGE deductions (20% or more) will be made if you arrive after the first exam has been turned in by another student.

- **There will be no make-up exams or quizzes for students who fail to attend the exam or who arrive at the exam too late to take the test,** so please make sure you are in class at exam/quiz times. If you miss an exam for a sanctioned reason (severe illness, etc.), you must inform the professor or your TA **within 24 hours** and you must provide documentation. Any medical excuse request must be documented by a visit to a licensed physician who was visited **on the day of (or prior to) the exam,** and the physician’s note must specify the symptoms and rationale for why the illness precluded the ability to take the exam at the pre-set time. We will call the treating physician for verification purposes. In cases where an exam is missed for a sanctioned reason, a makeup exam (different from the original exam) will be given on the last day of finals week (Fri Jun 16). You will only be permitted to take such a makeup exam if you have attended all other exams. You will not be allowed to take a makeup exam after a sanctioned absence if you have performed so poorly on your other assignments that you cannot possibly earn a ‘C’ or better in the class.

Material covered by the exams will be derived from the class lectures and discussion section lectures (see percentages for each exam above). Section quizzes will cover textbook reading assignments only (but note that some material overlaps with lectures & sections). YOU SHOULD ATTEND LECTURE AND DISCUSSION EVERY DAY AND TAKE GOOD NOTES. Lecture video and audio will be posted to Bruincast, but technical failures sometimes occur, so there is no guarantee that every lecture will be posted.

3. **Bibliography assignment:** A research bibliography assignment will be due at the end of week 8 (Friday, Mar. 2). Instructions for this assignment will be given during week 5. This assignment will count for 6% of your overall grade.
4. **i-clicker grade**: Beginning in week 2, several i-clicker questions will be asked during each lecture. You will accumulate one i-clicker point for each question that you respond to correctly, up to a maximum of 20 points for the entire quarter. There will be a total of about 64 i-clicker questions offered during the whole quarter, so you only need to get about 1/3 of the questions right to earn full credit for your i-clicker grade. But you should attend lecture every day and respond to all of the questions to make sure you accumulate all 20 of your i-clicker points.

5. **Contacting professors and TAs.**

   **Questions regarding course material, lectures, exams, etc.:** All questions of this type should be directed to the **Course Website Discussion Board** (not by email). This is to facilitate an efficient response to everyone’s questions and to ensure equal opportunity of communication of answers to questions with all students in the class.

   **Confidential or personal issues that need to be addressed:** You may, of course, email the professors or TAs directly if you have questions of a personal nature; however, any questions that come to our direct emails that contain questions about course content, etc., will NOT be replied to; such questions are to be submitted on the course website only.

   **Cheating and Fairness:**

   Cheating can take many forms, none of which will be tolerated in this class. If you cheat on an exam or quiz or if you plagiarize on a written assignment, you will fail this course and be reported to the Dean for disciplinary action.

   Everybody’s grade will be based on the same assignments: the exams, discussion sections, and bibliography. **YOU WILL NOT BE PERMITTED TO IMPROVE YOUR GRADE BY DOING EXTRA WORK, SO DON’T ASK FOR PERMISSION TO DO REMEDIAL WORK.** In this class all students are treated equally, everyone’s grade is based on the same assignments, and special treatment will not be given to anyone out of fairness to all.

   **PSYCH 119F COURSE SCHEDULE (spring 2017)**

   **PART I: Structure and functions of the nervous system**

   **WEEK 1 (no sections or quizzes)**
   - Jan. 10 Wed: Introduction
   - Jan. 12 Fri: Membrane potential (Chapter 3)

   **WEEK 2 (no sections or quizzes; read Chapter 1 for next week’s quiz)**
   - Jan. 17 Wed: Action potentials & synapses (Chapters 3 & 4)
   - Jan. 19 Fri: Neuropharmacology (Chapter 4)

   **WEEK 3 (section quizzes cover Chapter 1; read Chapter 6 for next week’s quiz)**
   - Jan. 24 Wed: Neurogenetics
   - Jan. 26 Fri: Neural Development & functional neuroanatomy (Chapters 2 & 7)
WEEK 4 (section quizzes cover Chapter 6; read Chapter 16 for next week’s quiz))
Jan. 31 Wed ******* MIDTERM #1 ********

PART II: Sensing the world

Feb. 2 Fri Somatosensation (Chapter 8)

WEEK 5 (section quizzes cover Chapter 16; read Chapter 14 for next week’s quiz))
Feb. 7 Wed Hearing & vestibular system (Chapter 9)
Feb. 9 Fri Taste & Smell + BIBLIOGRAPHY INSTRUCTIONS IN CLASS

WEEK 6 (section quizzes cover Chapter 14; no section meetings next week)
Feb. 14 Wed Vision I (Chapter 10; pp. 301-321)
Feb. 16 Fri Vision II (Chapter 10; pp. 321-334)

WEEK 7 (no sections; read Chapter 18 for next week’s quiz)
Feb. 21 Wed Hormones (Chapter 5)
Feb. 23 Fri ******* MIDTERM #2 ********

PART III: Motor control, memory, and motivated behavior

WEEK 8 (section quizzes cover Chapter 18; read Chapter 19 for next week’s quiz)
Feb. 28 Wed Homeostasis (Chapter 13)
Mar. 2 Fri Motor pathways I (Chapter 11)

WEEK 9 (section quizzes cover Chapter 19; read Chapter 12 for next week’s quiz)
Mar. 7 Wed Motor pathways II
Mar. 9 Fri Fear & Stress (Chapter 15)

WEEK 10 (section quizzes cover Ch. 12)
Mar. 14 Wed Semantic & Episodic Memory (Chapter 17)
Mar. 16 Fri Goal-directed behavior, habits, & addiction

FINALS WEEK
Mar. 19 Mon 11:30 PM -2:30 PM ******* MIDTERM #3 ********