Instructor
Jaime A. Pineda, Ph.D. (Instructor)
Office: CSB 205
OH: Tu 9-11 am (or by appointment – 534-9754)
Email: pineda@cogsci.ucsd.edu

Teaching Assistants/Instructional Assistant
Matt Schalles
Office: CSB 125
OH: Th 11-12 pm
Email: matthewdaves@yahoo.com
Sections M 1-1:50 APM 2301

Mike Datko
Office: CSB 205
OH: M 10-11 am, W 11-12 pm
Email: mikedatko@gmail.com
Sections M 9-9:50 APM 2301, W 10-10:50 HSS 2150

Colleen Sheh
Office: CSB 114
OH: W 2-3 pm
Email: csheh@ucsd.edu
Sections Tu 2-2:50 WLH 2207

What
Website: Please visit website for critical announcements, copies of overheads, quizzes, and old exams from previous years: http://bci.ucsd.edu/~pineda/COGS17/index.html

When and Where
All lectures will be held MWF from 3:00-3:50 am in CENTR 119.
See table above for when and where sections are held.
The midterm exam will be on Monday February 8th in class from 3:00-3:50 am in CENTR 119.
The final exam will be on Wednesday March 17, 2010 from 3-6 p.m. in CENTR 119.

Grading
Grades will be based on six quizzes (we will drop the lowest score and count 5 of the quizzes - each worth 6% for a total of 30% of the final grade), a midterm (worth 35% of the final grade), and a final exam worth 35% of the final grade.
All students must complete a two-hour experiment requirement or a two-page independent research project. Failure to complete this requirement will be reflected in your final grade and will be left to the discretion of the instructor.
Quizzes will cover the previous week’s lectures and readings (textbook). In other words, you are responsible for any lectures and readings since the last quiz.
The final exam will NOT be comprehensive. Both midterm and final will include questions from the lectures and textbook chapters.

Sections
You are required to attend sections.
Quizzes will be given in section. Students must take them in the section they are enrolled or scores will not be counted. If you cannot make the section please make other arrangements in advance with the TA or IA.
If you miss your section that week, you must check with TA/IA before you go to another section to take a makeup quiz. No makeup quizzes will be allowed unless there is a valid excuse. We won’t allow people to wait until Friday to take quizzes unless they have a good reason. If no such reason is provided, the quiz will not be counted.

Course Goals
The goal of this course is to introduce students to cognitive neuroscience. By the end of this course, students should:
- Understand how the brain communicates at a cellular level: the basics of how neurons communicate with each other, a few neurotransmitters involved and how drugs can affect them, and how activity of small groups of neural circuits can produce behavior and perception.
- Identify major regions of the brain and describe what they do.
- Describe some common methods used by cognitive neuroscientists to learn more about the brain.
- Talk intelligently about major cognitive phenomena like sleep, memory, emotion, and language from a behavioral AND neural perspective. What is the brain doing to make these systems work?

### Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture Topics</th>
<th>Readings</th>
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<tbody>
<tr>
<td>1</td>
<td>(1/4-1/6-1/8)</td>
<td>What’s a Brain?</td>
</tr>
<tr>
<td>2*</td>
<td>(1/11-4/13-4/15)</td>
<td>Electricity and Structure</td>
</tr>
<tr>
<td>3</td>
<td>(1/18-1/20-1/22)</td>
<td>The Chemical Soup</td>
</tr>
<tr>
<td>4*</td>
<td>(1/25-1/27-1/29)</td>
<td>Peeking Inside the Head</td>
</tr>
<tr>
<td>5*</td>
<td>(2/1-2/3-2/5)</td>
<td>How do we see?</td>
</tr>
<tr>
<td>6</td>
<td>(2/8-2/10-2/12)</td>
<td>Why Do We Sleep and Dream?</td>
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<td></td>
<td>Midterm 2/8</td>
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<tr>
<td></td>
<td>2/15 President’s Day (holiday)</td>
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<tr>
<td>9*</td>
<td>(3/1-3/3-3/5)</td>
<td>Hello… How are You?</td>
</tr>
<tr>
<td>10*</td>
<td>(3/8-3/10-3/12)</td>
<td>The Brain Gone Bad</td>
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<tr>
<td>Final</td>
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<td>March 17 3-6 p.m. (in class)</td>
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Asterisks (*) indicate the weeks when quizzes will be given.

Academic Integrity
Academic integrity is expected at all times and cheating will not be tolerated. You are encouraged to study and confer with your classmates, but quizzes, midterm, and final must be completed alone. Plagiarism and the changing of answers on returned exams will result in automatic failure of the course. If you have any questions please visit [http://www-senate.ucsd.edu/manual/appendices/app2.html](http://www-senate.ucsd.edu/manual/appendices/app2.html).