Web site:  http://tinyurl/visionclass  (Class notes, readings, etc)
Location:  Biolabs 1075
Time:  Mondays 03:30 – 05:30
Dates:  Mondays 09/09, 09/16, 09/23, 09/30, 10/07, 10/21, 10/28, 11/04, 11/11, 11/18, 11/25, 12/02, 12/09

Contact information:
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Office Hours: After Class. Mon 05:30-06:30
Visual Object Recognition
Computational Models and Neurophysiological Mechanisms
Neurobiology 230. Harvard College/GSAS 78454

Lectures + Class Discussion [20% of grade]

Reading assignments. One paper per class. [60% of grade]
Write two paragraphs about the paper:
Paragraph 1: Discuss one missing control or one problem with the interpretation.
Paragraph 2: Discuss a logical follow-up question.
Note: Do not copy and paste the paper. We have already read it.

Final Exam [20% of grade]
Class 1. Sep-09  Introduction to pattern recognition. Why is vision difficult?
Class 3. Sep-23  Introduction to the cortex. The thalamus and primary visual cortex.
Class 4. Sep-30  Lesion studies in animal models. Neurological studies of cortical visual deficits. [Note: lecture by guest]
Class 5. Oct-07  Adventures into terra incognita. Neurophysiology beyond primary visual cortex. [Note: lecture by guest]
Oct-14  Columbus Day. No class.
Class 6. Oct-21  Psychophysics of visual object recognition. [Note: Lecture by Jed Singer]
Class 7. Oct-28  The last frontier in visual recognition: inferior temporal cortex
Class 8. Nov-04  From the highest echelons of visual processing to cognition
Class 12. Dec-02  Computer vision. Towards artificial intelligence systems for cognition
Recommended books

**Suggested Books**


**Other good books**

Academic Integrity Policy

http://isites.harvard.edu/icb/icb.do?keyword=k97343

All reading assignments will be discussed in class. During class, collaboration and discussion is not only permitted but actually encouraged.

After class, each student must prepare the homework on his/her own. Students should be aware that in this course collaboration of any sort on any work submitted for formal evaluation is not permitted. This means that you may not discuss your problem sets, paper assignments, exams, or any other assignments with other students. All work should be entirely your own.

The use of textbooks, books and articles is encouraged. Students must use appropriate citation practices to acknowledge the use of books, articles, websites or lectures, that were consulted to complete your assignments.

Discussion: Monday 09/17

Reading assignment due: Monday 09/26