Web site:  http://tinyurl/visionclass  (Class notes, readings, etc)

Location:  Biolabs 1058
Time:  Mondays 03:30 – 05:30
Dates:  Monday 09/12, 09/19, 09/26, 10/03, 10/17, 10/24, 10/31, 11/07, **Wed 11/16**, Monday 11/21, 11/28, 12/05, 12/12

[Sep-05 Labor Day; Oct-10 Columbus Day]

Contact information:
Gabriel Kreiman
gabriel.kreiman@tch.harvard.edu
617-919-2530
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

Reading assignments. One paper per class.

Students taking the class for credit:
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. I have already read it.
## Visual Object Recognition

### Computational Models and Neurophysiological Mechanisms

**Neurobiology 230. Harvard College/GSAS 78454**

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<tr>
<th>Class</th>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Class 0.</td>
<td>Aug-31</td>
<td>Introduction to pattern recognition. Why is vision difficult?</td>
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<td>Class 2.</td>
<td>Sep-19</td>
<td>Introduction to the cortex. The thalamus and primary visual cortex.</td>
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<td>Class 5.</td>
<td>Oct-17</td>
<td>Adventures into <em>terra incognita</em>. Neurophysiology beyond primary visual cortex.</td>
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<td>Class 9.</td>
<td>Nov-16</td>
<td>Computational models of visual object recognition.</td>
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<td>Class 10.</td>
<td>Nov-21</td>
<td>Computer vision. Towards artificial intelligence systems for cognition</td>
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<td>Class 12.</td>
<td>Dec-05</td>
<td>Beyond vision and into cognition. Hilbert questions in the field.</td>
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Recommended books

Suggested Books


Other good books


Reading assignment due: Mon Sep-19.