Overview & a Note from the Instructor:

Cognitive Science explores one of sciences final frontiers; the scientific study of the mind. It is a broad interdisciplinary field that encompasses research from areas in neuroscience, psychology, philosophy, linguistics, and computer science. All of which we will touch upon in this survey course and is intended to give you a sampler of each discipline. This intro class will prepare you for many upper division cognitive science courses later on. More importantly, it will help you to refine your interest to a specific field within cognitive science.

This 9-week summer course will require a sizable amount of required reading, not all of the readings is covered in the lectures. To extend and complement topics in this field, there is material presented in the lectures that is not in the readings.

Policies:

- Please check the course website (Canvas) often for any additional readings, announcements, and assignment guidelines. Not all of the readings are listed on this syllabus. Readings are due on the same day in which they were assigned.
- You are encouraged to e-mail me with questions on topics discussed in class, or you are welcome to see me before or after class.
- There will be in-class group activities and discussion so please respect your fellow peers.
- Plagiarism is not tolerated here at the university and may result in disciplinary action.
- Contact the instructor for accommodation of religious beliefs, disabilities and other special circumstances.
- Stanford Continuing Studies has a no-audit policy. Everyone must be enrolled.

Grading Options:

For No Grade Requested (NGR) students, no work is required. Just show up for class! NGR is also not a suitable grading option for students requiring proof of completion for tuition reimbursement purposes, graduate school applications, etc. Students who are taking this class for a Letter Grade, please see me for a written project. For students taking Credit/No Credit (CR/NC), attendance and participation is required.
**TENTATIVE CLASS SCHEDULE**

*Sobel & Li = chapter in The Cognitive Sciences (2013)*

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Topic/Readings due</th>
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| 1       | Overview & History of Cognitive Science  
          Read Sobel & Li: Introduction & 1 |
| 2       | The Neuroscience Approach: Mind as Brain  
          Read Sobel & Li 3 |
| 3       | The Neuroscience Approach: Mind as Brain contd.  
          Read Sobel & Li 4 |
| 4       | The Cognitive Approach: History, Vision, and Attention | Memory Systems  
          Read: Sobel & Li 2: pg. 27-64 | 65-80 |
| 5       | Guest Speaker: TBA  
          Read: Check on Canvas |
| 6       | The Philosophical Approach: Consciousness  
          Read: Sobel & Li 10 |
| 7       | The Linguistics Approach: Language and Thought  
          Read: Sobel & Li 7 (pp. 269-279), 8 |
| 8       | Artificial Intelligence: Brain Machine Interfaces, Neural Networks  
          Read: Sobel & Li 5 (pp. 178-182), 6 |
| 9       | The Future of Cognitive Science  
          Read: Sobel & Li 11 |

*No class on Saturday, October 14 & November 25 (Thanksgiving)*

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*Students are prohibited from recording or selling course content, from being paid by any person or commercial firm for lecture notes, and from publishing any course content whatsoever without explicit written permission from the instructor.*