

Attention!

This is a *representative* syllabus.

The syllabus for the course when you enroll may be **different**.

Use the syllabus provided **by your instructor** for the most up-to-date information. Please refer to your instructor for more information for the specific requirements for a given quarter.

Introduction to Cognitive Neuroscience

Psychology 513 - Winter 2011

Credit: 4 hours ; Class # 25991
Time: TR, 3:00 -- 4:18 PM
Place: Psychology Building 0014
Prerequisites: Psychology 313 or permission of instructor
Text: Cognition, Brain and Consciousness, 2nd ed., 2010
Course Web Page: <http://carmen.osu.edu>
Course assistant: Christine (Chris) Szostak (szostak.1@osu.edu)
Instructor: Dr. Per Sederberg
Office: 200K Lazenby Hall
Telephone: # 292-1424
E-mail: sederberg.1@osu.edu
Office hours: by appointment



Course Objectives

This course explores the neurobiological mechanisms that underlie cognition. In order to truly understand cognitive function, it is necessary to understand the brain. The primary course objective is to introduce terminology and concepts that will allow you to begin to understand how cognitive function could arise from interactions between groups of neurons. My hope is that in this course you will not only become familiar with the "nuts and bolts" of how the brain works, but also become fascinated by its complexity and elegance, and its awesome ability to bring into existence all of your thoughts, actions, memories, feelings, dreams, and aspirations.

Resources

Textbook

The course textbook is "Cognition, Brain and Consciousness" 2nd ed. by Baars and Gage, Academic Press, 2010.

Websites

The course website can be found at <http://carmen.osu.edu>. This site is where all course materials and information are made available. Each lecture will be available as a pdf file.

Assistance

I am available and interested in talking with you about the course, the course material, and strategies to enhance your learning. I'm usually available after class, can answer questions by e-mail (sederberg.1@osu.edu) or phone (292-1424), and will gladly set up an appointment at a time that is mutually acceptable for more lengthy discussions.

Lecture and Reading Schedule

Week	Topic	Chapter
1	Neuroscience and Cognition	1, 3, 4, 5
2	A Framework	2
3	Sensory Perception	6,7
4	Attention and consciousness	8
5	Learning and Memory	9
6	Thinking and Language	10, 11
7	Executive Function	12
8	Development	15
9	Emotion	13
10	Social Cognition	14

Exams and Grading

Student Evaluation: Students will be evaluated on the basis of two exams (100 pts each), one research article summary and presentation (50 pts), and two written assignments (25 pts each) for a total of 300 points. Information about the article summary/presentation and assignments will be posted on Carmen during the quarter.

Students with disabilities

This syllabus is available in alternative formats upon request. In addition, if you may need an accommodation based on the impact of a disability, you should contact the instructor immediately. Students with special needs should contact the Office of Disability Services (ODS) at 292-3307 for certification if they have not already done so. Upon such certification, the ODS and the instructor will make every effort to accommodate special needs. However, to ensure that evaluation of student performance in the course is conducted in a manner that is fair to all students, special accommodations will not be granted in the absence of ODS certification.