

PSYC-4140 Cognitive Neuroscience

Spring 2019
Tues-Thurs 9:30-10:45
Rm 243 Psychology

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Description: This course will provide an introduction to cognitive neuroscience – the study of how the brain enables the mind. Following a brief overview of neuroanatomy, current cognitive neuroscience methods will be described, and several disciplines of study within the field of cognitive neuroscience will be introduced. Upon completion of this course, students should be familiar with the major areas of cognitive neuroscience research, understand the basic strengths and weaknesses of different cognitive neuroscience methods, and should understand the advantage of using converging research methods to address a particular research question.

Text: *Principles of Cognitive Neuroscience, 2nd Edition, 2012*. Purves, Editor, published by Sinauer. Study guides and online quizzes are available at <http://sites.sinauer.com/cogneuro2e/>. Lecture slides and any additional materials will be posted on ELC: <https://uga.view.usg.edu/>

Grading:

- 10% Participation – Lecture reviews, Attendance, Attention, Interaction
- 17% Presentation - Neuroscience in the media
- 17% Exams 1-3. Multiple choice - T/F.
- 22% Cumulative final exam. Multiple choice - T/F.
- No makeup exams unless arrangements are agreed to before the exam.

The grading scale will include pluses and minuses (e.g., 93-100=A, 90-92=A-, 87-89=B+, 83-86=B, 80-82=B-, 77-79=C+, 73-76=C, 70-72=C-). However, I reserve the right to adjust exam grades up depending on the distribution of scores. Grades will never be adjusted downward.

Attendance & participation: I strongly recommend coming to class. All students are expected to participate in class discussions. You will get the most out of this class if you actively participate.

If you plan to request accommodations for a disability, please register with the Disability Resource Center at 114 Clark Howell Hall, 706-706)542-8719 (voice), (706)542-8778 (tty), http://drc.uga.edu/contact_request.php

All academic work must meet the standards contained in "A Culture of Honesty." Students are responsible for informing themselves about those standards before performing any academic work. The link to more detailed information about academic honesty can be found at: <http://www.uga.edu/honesty>

Lecture Schedule, ***subject to change***

A schedule of lecture reviewers will be determined by Jan 22.

10-Jan	Intro, syllabus	
15-Jan	History, principles	Chap 1
17-Jan	Neuro primer	Appendix
22-Jan	Methods primer	Chap 2
24-Jan	Vision 1	Chap 3
29-Jan	Vision 2	Chap 3
31-Jan	Exam 1	
5-Feb	Presentation assignment	
7-Feb	Auditory	Chap 4
12-Feb	Somatomotor 1	Chap 4
14-Feb	Somatomotor 2	Chap 5
19-Feb	Attention 1	Chap 6
21-Feb	Attention 2	Chap 7, Peelen 2014
26-Feb	Exam 2	
28-Feb	Memory 1	Chap 8
5-Mar	Memory 2	Chap 9
7-Mar	Emotion 1	Chap 10
19-Mar	Emotion 2	Sabatinelli 2009, 2014
21-Mar	Exam 3	
26-Mar	Language 1	Chap 12
28-Mar	Language 2	Ghazanfar 2014
2-Apr	Executive Function	Chap 13
4-Apr	Neuroeconomics	Chap 14
9-Apr	Presentations	
11-Apr	Presentations	
16-Apr	Presentations	
18-Apr	Presentations	
23-Apr	Presentations	
25-Apr	Presentations	
30-Apr	Presentations	
7-May	Final Exam, 9:00 - 11:00am	