

## PSY 219 Cognitive Neuroscience

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Office Hours: T F 11-12, or by appt.

Text: *Cognitive Neuroscience: The Biology of the Mind*. M.S. Gazzaniga, R.B. Ivry, G.R. Magnum, Eds., WW Norton & Co., 2002.

Other readings will be posted on Moodle.

Required software: PsyCog, Sinauer.

date	Topics/ textbook readings	assignments
1/29	Ch 1 History	
1/31	Ch 2 Cells and molecules	Assignment 1 due.
2/2	Ch 3 Anatomy	
2/5	Review	
2/7	Ch 4 methods p 96-106	Quiz Chs 1 & 2
2/9	Ch 4 Methods p 106-147	
	No class	
2/14	Ch 5 Perception Neural pathways p 148-171	Assignment 2 due
2/16	Deficits in feature perception, dissociation of cortical and subcortical pathways p 171-185	
2/19	Visual recognition	Quiz Chs 4 & 5
2/23	Ch 6 Face perception Prosopagnosia p 226-237	
2/26	Is there a face-selective region?	Assignment 3 due in class
2/28	Imagery and Memory p 237-241	Last day to hand in article summary for Feb
3/2	Ch 8 learning and memory p 301-332	
3/5	P 332-350	Assignment 4 due
3/7	Ch 8	Quiz Chs 6 & 8
3/9	Navigation	
3/12	Autobiographical memories	
3/14	Sue Corkin lecture	
3/16	Imagining the future and the hippocampus	
3/26	Ch 12 Frontal Lobes	
3/28	Theory of Mind	Groups formed
3/30	Ch 13 Emotion	

4/2	Aging and emotional memories	Topics chosen
4/4	Moral Judgments	Quiz Chs 12 & 13
4/6	Sex differences	
4/9	Racism	
4/11	Ch 10 Lateralization	
4/13	Sign Language	
4/16	Film - Gazzaniga	
4/18	Synesthesia	
4/20	Ch 16 Consciousness	
4/23	The new phrenology?	
4/25	Review	
4/27		Exam
4/30		Group presentations
5/2		Group presentations
5/4		Group presentations

Your grade will be based on:

40% - Your understanding of the basic foundations in *Cognitive Neuroscience*:  
 4 quizzes (5% each)  
 Final exam 4/27 (20%)

30% - Your participation in the class:

Classroom discussions and S/U assignments (5%)

Group presentations: (25%)

Topic should be chosen by 4/2.

Must be a topic of current interest in cognitive neuroscience.

Use wiki capability within Moodle to enable group editing of annotated bibliography linked to the group presentations. Limited to 20 references.

30% - Your ability to read and understand current research in cognitive neuroscience:

3 research paper summaries (10% each)

Each research paper summary should be 2 pages max (double space, 12 point font, 1 in margins) with the first page concisely summarizing the article, and the second page giving your thoughts on one or two future experiments that might be done to follow up.

You must submit one of these by Feb 28, one by Mar 31 and one by Apr 25.

Choose one of the identified "Student Response Research Articles" assigned and posted on Moodle. Your paper will only be accepted if submitted prior to the class session in which that article was discussed.