

PSYC 309
Sensation & Perception
Spring 2016
last updated 1/11/2016

Section 001: 10:30- 11:45am Tuesday & Thursday

Location: 1110 Nguyen Engineering Building

Instructor: Dr. Matt Peterson

Office: 2058 David King Hall

Ph: 703-993-4255

email: mpeters2 at gmu dot edu (please put PYSC 309 in the subject header)

Office Hours: 12:30-1:20 Tuesdays (*tentative*) or by appointment.

I fully encourage you to contact me by email if you have any questions about the class.

Text: Sensation & Perception **9th** Edition, E. Bruce Goldstein, Thomson-Wadsworth, ISBN-13:
9781133958475 (You only need the text, not the access card or other add-ons)

Article: Macknik SL, King M, Randi J, Robbins A, Teller, Thompson J, Martinez-Conde S. (2008).
Attention and

awareness in stage magic: turning tricks into research. *Nature Reviews Neuroscience*. 9(11),
871-879.

http://smc.neuralcorrelate.com/files/publications/macknik_martinez-conde_nrn08.pdf

Prerequisites: Psych 300 AND Psyc 301 (C- or better) or permission of instructor.

Students who fail to attend the initial meetings of both lecture and lab sections may be dropped from the course.

Course Description This course is an introduction to how the brain receives and processes information from the environment. Course deals with sensation -- information must be received in a manner in which our nervous system can respond to it. We will also discuss perception - how the brain interprets information and attaches meaning to it. The study of sensation and perception is one of the earliest areas of study in Psychology.

Official Communications via GMU E-mail: Mason uses electronic mail to provide official information to students. Examples include communications from course instructors, notices from the library, notices about academic standing, financial aid information, class materials, assignments, questions, and instructor feedback. Students are responsible for the content of university communication sent to their mason e-mail account, and are required to activate that account and check it regularly. I will communicate only through GMU email accounts.

Technology Requirement Students are expected to be competent in word processing skills, Internet use, compiling of bibliographies, literature review searches, and downloading pictorial material from computers.

Attendance Policy: I expect (barring unforeseen circumstances) to see you in class each week.

Keep in mind that many of the topics discussed in class are not discussed (or at least not in as much detail) in your textbook. Although I occasionally put some lecture notes on the web, they will not be complete and will not match the presentation given in class. If you miss a class, it is up to you to learn the missed information. **NO CELL PHONES.**

Cancellation Policy: This course follows GMU cancellation policy for inclement weather, and GMU will send an alert to your GMU email account and/or cell phone if any of their facilities are closing for inclement weather. If I need to cancel a class meeting, I will email the class about the cancellation.

GMU Honor Code: George Mason University has a code of Honor that each of you accept by enrolling as a student. My expectation is that all of the work you do for me in this class will be the work of one individual. **Plagiarism or any other violation of the honor code will be taken very seriously and reported to the Honor Committee.** Having said that, I fully encourage you to discuss the readings and topics raised in this class with your fellow students.

Disabilities: If you are a student with a disability and you need academic accommodations, please see me and contact the Disability Resource Center (DRC) at 703-993-2474. All academic accommodations must be arranged through that office."

A+	97+	Grading	Attendance	3
A	93-96		Lab	33
A-	90-92		<u>Exams (4)</u>	<u>64</u>
B+	87-89			100 points total
B	83-86			
B-	80-82			
C+	77-79			
C	73-76			
C-	70-72			
D	60-69			
F	0-59			

Exams (64%): There will be 4 exams, consisting of multiple-choice, fill-in-the-blank, and/or short answers. You may take an exam after (or before) the scheduled date only if you receive my permission before the day of the test. If you miss an exam, your grade will be based on the remaining 3 exams. Keep in mind that the 4th exam is mandatory, and if not taken, will count as a zero, and all 4 exam grades will be used to determine your final exam grade (i.e. the lowest is not dropped). If you miss more than one exam (or the 4th exam), then the exam can only be made up if you receive my permission before the day of the exam or (b) have a valid excuse (note from a doctor, judge, sergeant, etc.). Papers will not be accepted beyond the due date.

Lab (33%): The lab will account for 33% of your total grade in Psychology 309. Late assignments will receive partial credit. *This course fulfills all/in part the Writing-Intensive requirement in the Psychology Department.*

Attendance: 3% of your grade will be based on attendance. I will randomly sample throughout the semester.

Calendar:

Note: The schedule below is tentative, and though I will try to follow it as closely as possible changes may occasionally be necessary. In the event that an exam date is changed, you will be notified at least one week in advance.

Note that **January 26th** is the last day to add this class and **February 19th** is the last day to drop this class.

Date	Day	Chapter	Topic
19-Jan	Tues	1	Intro + Psychophysics
21-Jan	Thurs	Appendix, 2	Signal Detection, Physiology
26-Jan	Tues	2	Physiology
28-Jan	Thurs	3	Neurons
2-Feb	Tues	3	Neurons
4-Feb	Thurs	4	Review for Test 1
9-Feb	Tues		TEST1
11-Feb	Thurs	4	Organized Brain
16-Feb	Tues	5	Perceiving Objects
18-Feb	Thurs	5	Perceiving Objects
23-Feb	Tues	6	Visual Attention
25-Feb	Thurs	6	Visual Attention
1-Mar	Tues	6 + Article	Visual Attention
3-Mar	Thurs		Test 2
8-Mar	Tues	SPRING BREAK	
10-Mar	Thurs	SPRING BREAK	
15-Mar	Tues	9	Perceiving Color
17-Mar	Thurs	9	Perceiving Color
22-Mar	Tues	8	Perceiving Movement
24-Mar	Thurs	8	Perceiving Movement
29-Mar	Tues	10	Perceiving Depth and Size
31-Mar	Thurs	10	Perceiving Depth and Size
5-Apr	Tues	7 (215-223)	Action / Review
7-Apr	Thurs		Test 3
12-Apr	Tues	11	Sound and Auditory System
14-Apr	Thurs	11	Sound and Auditory System
19-Apr	Tues	12	Sound Localization
21-Apr	Thurs	12	Sound Localization
26-Apr	Tues	13	Speech Perception
28-Apr	Thurs	13	Speech Perception
10-May	Tues		Test 4