

PSY 162: Neuropsychology

Course Syllabus

Lecture	TR 10:00-11:45	Science Center 147
Lab	T 2:15-4:00pm	Science Center 127

COURSE INSTRUCTOR INFORMATION

Mary Saczawa

Office: Science Center 152

Email: saczawa@hanover.edu

Phone (call or text): (812) 307-5509

Office Hours: Wednesdays 10:00am – 5:00pm or by appointment

COURSE DESCRIPTION

This course will provide an introduction to the field of neuropsychology, or the biological foundations of behavior. Throughout the course is an emphasis on developing and understanding of how biological processes contribute to and influence thought and behavior. This course is designed to be paired with Sensation and Perception (PSY164), and as such we will not go too in-depth into sensory processes, but we will review them in more detail than may have been covered in PSY111.

TEXTBOOK

Breedlove, S. M. & Watson, N. V. (2019) Behavioral Neuroscience, 9th edition. Sinauer Associates.

Note: you do NOT need access to the enhanced Ebook online materials

COURSE WEBPAGE

This course will rely heavily on material posted in Moodle (<https://moodle.hanover.edu>) including written assignments, exams, and lecture slides. There is also a Q&A board where you can ask questions about concepts, assignments, or the course in general. You are also expected to check your **Hanover email account** regularly. Regardless of whether or not you read the emails, you are responsible for their content.

EVALUATION CRITERIA

ASSESSMENTS (40%)

There will be four assessments, all equally-weighted. Assessments will cover the text and lectures and will take place online (see schedule for dates). The last of the four assessments will take place during the final exam period. They will include a mixture of multiple-choice, fill-in-the-blank, matching, and short answer questions. All assessments will be open-book, open-notes, and untimed.

RETRIEVAL PRACTICE ACTIVITIES (8%)

This course can be difficult, so it is vital that you come to class as prepared as possible. Each lecture has an assigned reading (see the detailed course schedule), and it is incredibly important that you read the assigned chapter BEFORE class. In order to encourage you to review the material before class, we will do brief “retrieval practice” activities before we get started each day. You cannot make up any missed activity points, but you can miss three days’ activities without it impacting your grade.

CRITICAL REACTION PAPERS (15%)

The purpose of these papers is to get you thinking critically about controversial topics in biological psychology and to help you learn to apply scholarly research to these questions. At two points during the semester, you will be provided with a list of topics, from each of which you will select one topic on which to write your paper. You will then take a position on the topic, using scholarly research articles to support your argument. Detailed instructions as well as possible topics will be posted in Moodle.

RESEARCH PARTICIPATION (7%)

You will earn credit for participating in three research studies being conducted by faculty and students on campus. If you do not want to participate in research, or if you are under the age of 18, an alternate assignment will be available in Moodle for you to receive the research credits.

LABS (30%)

This course includes a laboratory activities that are designed to solidify your understanding of the concepts we cover in the lectures and to give you experience conducting research in neuroscience. Each lab will include a task you must complete as well as a written report to be submitted. Additional details about lab activities and reports will be available in Moodle.

GRADING SCALE

A = 100-93%; A- = 90-92%; B+ = 87-89%; B = 83-86%; B- = 80-82%; C+ = 77-79%; C = 73-76%; C- = 70-72%; D+ = 67-69%; D = 63-66%; D- = 60-62%; F = <60%

COURSE POLICIES

LATE ASSIGNMENTS

Written assignments are due by 11:59pm the date listed. Extensions may be granted for College-approved reasons that include proper documentation. Extension requests should be made before the deadline or within 24 hours (for unexpected emergencies). Late assignments without an approved extension will be penalized 10% for each day late. *Assignments submitted more than one week after the deadline but before the last day of class will receive a 75% penalty.*

RESUBMISSION AND GRADE DISPUTES

I have found that the best way to get students to read the feedback I give them on assignments is to give them the chance to get some of the points back. For that reason, all written assignments can be resubmitted for a higher grade. They must be resubmitted within one week of the grade being posted, but they can be resubmitted an unlimited number of times until you get a perfect score (as long as it is returned within one week of each updated grade being posted). All resubmissions must be received before 5pm on Wednesday, December 7.

If you want to dispute an exam question, you should write a short paragraph explaining the dispute and why your answer was correct, including page numbers and/or lecture slides that support your answer.

MAKE-UP EXAMS

Exams will be available on Moodle for 5 days leading up to the deadline listed in the syllabus. As such, if you know that you will not be able to take the exam on the listed day, you should plan to take it early. Make-up exams will only be granted in cases of emergencies. If your internet goes out or you are otherwise unable to take the exam, you should text me IMMEDIATELY at the number listed on the syllabus. Even if you expect that your internet will come back before the exam closes, you should text me ahead of time so that I am aware of the situation.

ATTENDANCE

Attendance will not be taken in this class, but it is strongly encouraged. Exams will include concepts that were covered in class but that are not in the textbook. If you miss class, you are expected to obtain notes from a classmate, but I am happy to meet with you to review any missed material.

REFERENCE FORMAT

Since this is a psychology class, you will be required to use APA format for all of your papers. APA format is frequently used outside of psychology, so even if you are not going to be a psychology major, this is unlikely to be the last time you will use it. The APA format assignment will provide an introduction to the style, and you should continue to use it in all of the other papers for this course. For tips on APA format, please see <https://tinyurl.com/saczawa>. You can always get help with your research at the library. Reference librarians will help you find information on a topic, develop search strategies for papers and projects, search library catalogs and databases, and provide assistance at every step. Drop-ins and appointments are both welcome. Visit <http://libguides.hanover.edu/psychology> for information specific to psychology.

STUDENTS IN DISTRESS

Your success in this course and throughout your college career depends heavily on your personal health and wellbeing. Stress is a common part of the college experience, and it often can be compounded by unexpected life changes outside the classroom. Your other professors and I strongly encourage you to take care of yourself throughout the term before the demands of midterms and finals reach their peak. Before circumstances and conditions become overwhelming, please don't hesitate to speak with me about any difficulty you may be having that may affect your academic performance. Please know as well that there are several support services on campus available to assist you, as needed. You can make appointments with Health Services by calling x-6102. Appointments for Counseling Services can be made online at any time through [MyHanover](#).

HANOVER COLLEGE POLICIES

HONOR CODE

As stated in the Hanover College Principles, students, faculty, staff, and trustees of Hanover College seek to promote academic, personal, and moral growth within a safe, challenging, and responsive community. This includes a commitment to academic integrity. Violations of academic integrity have a broad impact on the College and will result in College review and action.

Academic dishonesty includes any action with the intent to deceive in order to obtain an unfair advantage, as well as any act of aiding and abetting academic dishonesty. The Hanover College statement on academic dishonesty may be found in the Catalog and in the Student Handbook. Any given instance of academic dishonesty is dealt with by the instructor of the course in which it occurs. All instances of academic dishonesty are reported to the chair of the Student Academic Assistance Committee, and repeated instances of academic dishonesty will subject a student to additional penalties up to and including dismissal from the College as outlined in the College Catalog.

NONDISCRIMINATION

Hanover College is committed to providing equal access to its educational programs, activities, and facilities to all otherwise qualified students without discrimination on the basis of race, national origin, color, creed, religion, sex, age, disability, veteran status, sexual orientation, gender identity, or any other category protected by applicable state or federal law. An Equal Opportunity employer, the College also affirms its commitment to nondiscrimination in its employment policies and practices. In compliance with Title IX (20 U.S.C Sec. 1681 et seq.) Hanover College prohibits sex discrimination, including sexual harassment. For student related disability discrimination concerns, contact the Gladish Center for Teaching and Learning at 812-866-6840. For other discrimination complaints, including any arising under Title IX, contact the Title IX Coordinator at 812-866-6740 or the Deputy Title IX Coordinator at 812-866-7097.

HEALTH AND SAFETY REQUIREMENTS

All students, faculty and staff must adhere to current safety protocols established by the College. These are subject to change depending on present conditions and guidance from local and national health officials. In classrooms and offices, these requirements may include and are not limited to face coverings and social distancing. Frequent hand washing and general good hygiene should be observed at all times.

If you develop COVID-19 symptoms and/or if you have been exposed to illness by contact with someone who has tested positive or been presumed positive, do not come to class. Contact Health Services (812-866-7082) or PantherHealth via phone or email. As in any situation that keeps you from attending class, contact your instructor as soon as possible about your absence.

For complete and updated information about all health and safety requirements, consult the College's COVID-19 Information website.

DISABILITIES

Hanover College offers accessibility services to students with documented physical, visual, hearing, learning, or psychiatric disabilities. Any Hanover student is eligible for special services or accommodations if: 1) The student self-identifies that he or she has a disability and needs accommodation; 2) The student provides appropriate and verifiable documentation of the disability; and 3) The student provides notification in a timely fashion. For accessibility services, Email Accessibility Services or call 812-866-6844. The Accessibility Services (AS) office is in the Gladish Center for Teaching and Learning on the first floor of Duggan Library.

Date	Lecture Topics	Reading	Lab
30-Aug	Introduction	Chapter 1	
1-Sep	CNS anatomy	2.2	"About Me" meetings
6-Sep	Parts of the brain	2.3, 2.4	
8-Sep	Neural cells	2.1, 2.5	Sheep brains
13-Sep	Neurophysiology	3.1, 3.2	
15-Sep	Neurotransmitters & drugs	3.3, 4.1 – 4.3	Sheep brains
Sunday, September 18: Reference List 1 Due			
20-Sep	More drugs	4.4 – 4.8	
22-Sep	Still more drugs	4.4 – 4.8	Sheep brain practicum
Sunday, September 25: Assessment 1 Due			
27-Sep	Neuroendocrinology	Chapter 5	
29-Sep	Behavioral genetics	Appendix, 6.6, 7.4	Taste genetics study
Sunday, October 2: Annotated Bibliography 1 Due			
4-Oct	Fall Break—No Class		
6-Oct	Development & plasticity	7.1-7.3, 7.5	Taste genetics study
11-Oct	Neurological diseases	3.4, 11.6, 19.1-19.3, 9.7	
13-Oct	Sensation & touch	Chapter 8	Taste genetics study
Sunday, October 16: Critical Reaction Paper 1 Due			
18-Oct	Hearing & other senses	Chapter 9	
20-Oct	Movement	11.1-11.5	Sensation
Sunday, October 23: Assessment 2 Due			
25-Oct	Vision	Chapter 10	
27-Oct	Stress	15.5	Stress physiology
1-Nov	Sleep	Chapter 14	
3-Nov	Learning & memory	Chapter 17	Conditioning intro
Sunday, November 7: Reference List 2 Due			
8-Nov	Sex (the act)	12.1-12.4	
10-Nov	Sex (the characteristic)	12.5-12.7	Conditioning (cont.)
Sunday, November 13: Assessment 3 Due			
15-Nov	Neurodevelopmental disorders	Box 16.3, 19.5-19.6	
17-Nov	Executive (dys)function	Ch. 18	Conditioning (cont.)
Sunday, November 20: Annotated Bibliography 2 Due			
22-Nov	Emotions	15.1-15.4	
24-Nov	Thanksgiving Break—No Class		Conditioning (cont.)
29-Nov	Internalizing disorders	16.2-16.4	
1-Dec	Schizophrenia	16.1	Animal models
Sunday, December 4: Critical Reaction Paper 2 Due			
Friday, December 9: Assessment 4 Due			