

**PHYSIOLOGICAL PSYCHOLOGY**  
**PSYCHOLOGY 314-001**  
**Fall 2020**

**Professor:** Laura Pawlow, Ph.D.  
**Office:** Alumni Hall, Room 0135  
**E-mail:** [lpawlow@siue.edu](mailto:lpawlow@siue.edu)  
**Phone:** 650-2608

**Class Location:** Founders Hall 0207  
**Days:** Tuesday and Thursday  
**Time:** 8-9:15  
**Office Hours\*:** Tues 9:30-10:30 and by appointment  
**\*by phone call or zoom only**  
**Course Information available on Blackboard**

**Course Objectives:**

This course is designed to provide an understanding of the biology behind behavior, including the structure and function of the brain as related to personality, normal and pathological behavior, and health. Topics to be covered include attention, the sensory systems, memory, mood, emotions, and learning. Methods of studying the central nervous system will be introduced. Ethical issues involving biological psychology will be discussed.

**Course Goals:**

\*To increase understanding of the place of biological psychology in psychology \*To increase understanding of the experimental approaches to brain-behavioral relationships \*To increase understanding of nervous system mechanisms in the control of physiological responses and behavior \*To introduce ethical issues surrounding physiological psychology \*To increase knowledge of drug interactions, brain functioning, and behavior \*To introduce the role of genetics in normal and abnormal brain function \*To introduce the influence of disease or injury on brain function and behavior \*To increase awareness of the relationship between human behavior and neural development.

**Required Readings:**

- James W. Kalat, Biological Psychology, 13<sup>th</sup> Edition, Thomson Wadsworth, 2019

**Workload:**

LOTS of reading, 3 exams (non-cumulative). Don't get behind in your reading or studying!

**Class Demeanor:** This is a challenging class, and most of you are either taking it because you truly enjoy the material or you need it as a pre-requisite for graduate school. As such, I will expect you to act as though you either really enjoy the material or really want to get into graduate school! ☺ That translates into coming to class regularly and being on time, paying attention, demonstrating interest and understanding, asking questions or making appropriate comments during class, coming to see me if you're lost, etc. Many of you will ask me for a letter of recommendation at some point – you want to put yourself in the position to have a good grade and for me to see you as a serious, dedicated student. Look for ways to showcase yourself by participating in class and being able to answer questions!

**Grades:**

**100 points each (300 total) – Exams**

A = 90-100%    B = 80-89.9%    C = 70-79.9%    D = 60-69.9%    F = below 59.9%

**POLICIES**

**Attendance/Tardiness** – I expect you to attend this class regularly and to be on time. I will take attendance regularly at the start of class per the recommendations of the Madison County Health Department (for contact tracing) and in order to help learn your names and to get a sense of who attends regularly and promptly, however, there will be no official attendance policy this semester. Please note that I've taught this class both with and without attendance policies, and students do, on average, about 1 letter grade better when they have fewer than 4 absences!

That being said – if it is unsafe for you to be on campus for health reasons, you **MUST** stay home! I will make my class available synchronously via zoom, and I will also record it. If you are at all able, I strongly encourage you to watch the zoom at the same time as class, however, please know I will not be able to take questions from the zoom participants during class. You will have to e-mail me after class or make a zoom appointment for office hours. If you are simply too sick to watch the zoom during class, you can watch the recording. I will make the recordings available on the BB site as soon as I can after the class meeting, but it may take a little bit of time.

**Exams** – You are expected to take exams, in the classroom, at the scheduled time. But again, if it unsafe for you to be on campus for health reasons, you **MUST** stay home! In that case, you will take the exam synchronously via zoom, with your camera on, so I can monitor you. If you do not have a camera on your laptop, you can access the zoom from your phone and use your phone's camera. More information will be forthcoming. If you are too sick to take an exam at the schedule time, contact me and we will make an alternate arrangement – this may include taking the test via zoom as soon as you are able or taking the missed exam at the same time as the final. The final will be conducted via zoom for all since we will be online at that point.

**Extra Credit Opportunities** – This is a challenging class and I will offer a few opportunities for limited extra credit throughout the semester.

- ***Time Magazine OR Head Transplant Article reflections (choose one!)***: You will be required to read **either** *What Makes Tees Tick* by Claudia Wallis and Alice Park, from Time magazine (5/10/04) **or** *HEAVEN: The head anastomosis venture Project outline for the first human head transplantation with spinal linkage (GEMINI)* by Sergio Canavero (Surgical Neurology International, 2013) and write a 2 page reflection on how much of the article you understood and what parts you did not understand. This must be a **full** two pages (typed, double spaced, 12 point Times New Roman font, traditional 1-inch margins, and only put your name at the top) and is due (hard copy) on Tues 9/1 at the beginning of class. Then you will be asked to read the article again at the end of the semester and write a full 2 page reflection on what aspects of the article are clearer after having been in this class. This will be due (hard copy) on Thurs 11/19. **You must write BOTH reflections (pre and post) to get any extra credit.** Worth up to 4 bonus points on your final exam.
- ***Pop culture article written and oral summary***: You are asked to find a pop culture article (newspaper, website, magazine, etc. – it doesn't have to be a scientific source) that relates to any material from this class. You'll turn in the article plus a one page (full page!, hard copy) typed summary of the article and how it relates to what you've learned in this class, and give a 1-minute presentation to the class regarding your findings. You must do both the written and oral presentation to receive any credit; you can earn up to 2 points for the written and 2 points for the oral summaries on your final exam. Due Th 11/12.

**Students with Special Needs** – Students needing accommodations because of medical diagnosis or major life impairment will need to register with **Accessible Campus Community & Equitable Student Support (ACCESS)** and complete an intake process before accommodations will be given. Students who believe they have a diagnosis but do not have documentation should contact ACCESS for assistance and/or appropriate referral. The ACCESS office is located in the Student Success Center, Room 1203. You can also reach the office by e-mail at [myaccess@siue.edu](mailto:myaccess@siue.edu) or by calling 618.650.3726. If you feel you would need additional help in the event of an emergency situation, please notify your instructor to be shown the evacuation route and discuss specific needs for assistance. For more information on policies, procedures, or necessary forms, please visit the ACCESS website at [www.siue.edu/access](http://www.siue.edu/access).

## **DEPARTMENT OF PSYCHOLOGY POLICY ON INCOMPLETE GRADES AND WITHDRAWAL**

All withdrawals must be completed by the end of the 13th week of classes during fall and spring, and by a similarly late date (i.e., before 82% of class meetings have occurred) in any summer term. Grades that apply to students who initiate a withdrawal and grades that apply when a student fails to officially withdraw within established deadlines are determined by university policy (see <http://www.siue.edu/policies/1j1.shtml>). The granting of a grade of I (Incomplete) is not automatic. It is available only in cases when a student has completed most of the work required for a class but is prevented by a medical or similar emergency from completing a small portion of the coursework before the deadline for grade submission. An I must be approved by the instructor with appropriate documentation provided by the student. If an instructor agrees to give a student an I, the instructor will fill out a Memorandum of Incomplete Grade to be kept with the student's records. If the work is not completed by the time specified on the Memorandum, the student's grade will be changed from I to F.

**DEPARTMENT OF PSYCHOLOGY WRITING POLICY** - As a student in this course, you will be expected to display university-level writing, which includes completing course assignments that meet the following basic writing criteria. Specifically, all written assignments completed for this course should include:

- clear transitions from sentence to sentence and idea to idea (e.g., paper is organized/flows well);
- verb tense consistency;
- clear and unambiguous sentences and ideas;
- writing that is free of typos, spelling errors, and major grammatical errors;
- properly formatted citations and references (if relevant).

This is by no means an exhaustive list of basic writing skills, but will give you an idea of what we are looking for in our papers. If you feel you need help with your writing, you are encouraged to seek assistance from the writing center on campus (<http://www.siue.edu/is/writing>) or utilize one of the many online resources they have identified to help students (<http://www.siue.edu/is/writing/resources.shtml>). If your graded written assignments fail to meet the basic writing requirements listed above (and any others found to be appropriate by your instructor), the instructor will stop the grading process and return the paper to you (see below for the specific policy for this class).

The penalty for unacceptable writing in this class is as follows: A grade of zero until an acceptable draft is turned in prior to the stated deadline.

**DEPARTMENT OF PSYCHOLOGY POLICY ON PLAGIARISM** - Plagiarism includes presenting someone else's words without quotation marks (even if you cite the source), presenting someone else's ideas without citing that source, or presenting one's own previous work as though it were new. When paraphrasing from another source or your own work, at the very least, the student should change the wording, sentence syntax, and order of ideas presented in the paper.

Additionally, you should not submit a paper, or parts of a paper, written to fulfill the requirements of one class for the requirements in another class without prior approval of the current instructor and appropriate citation. Ideally, the student will integrate ideas from multiple sources while providing critical commentary on the topic in a way that clearly identifies whether words and ideas are those of the student or are from another source. Plagiarism is one type of academic misconduct described in SIUE's Student Academic Code (<http://www.siue.edu/policies/3c2.shtml>). University policy states that "Normally a student who plagiarizes shall receive a grade of F in the course in which the act occurs. The offense shall also be reported to the Provost." (<http://www.siue.edu/policies/1i6.shtml>). The University policy discusses additional academic sanctions including suspension and expulsion from the University. To insure that you understand how to avoid plagiarism, we encourage you to review the information on plagiarism provided on the Department of Psychology web page at <http://www.siue.edu/education/psychology/plagiarism.shtml>.

**Cancelled Class:** It is a new university policy that should class be cancelled for any reason (e.g., my illness, a snow day, etc.), a substitute assignment be in place to make up for the missed class period. If class is cancelled for any reason this semester, I would ask you to spend the class time watching one of these two youtube videos and writing a reflection paper on it. You can pick which video you watch; should class be cancelled a second time, then you would watch and write paper on the other video. Hopefully class would not be cancelled three times, but in that case we will make arrangements at that time.

- Video 1: How does your memory work? Biological psychology documentary. 49 minutes.  
[http://www.youtube.com/watch?v=OT3hyxShe\\_8](http://www.youtube.com/watch?v=OT3hyxShe_8)
- Video 2: Behavioral Neuroscience. Sex differences in brain and behavior. 44 minutes.  
<http://www.youtube.com/watch?v=IP8Ocufl8vI>

**Twitter:** Our department's Twitter page (@SIUEpsychology) is a great way to get announcements, find out what is happening in the department, and learn more about recent psychology news.

**Approximate Schedule\*:** \*Schedule (including exams!) may change at the discretion of the instructor

Date	Topic for Today	Please Read for Today or Due Today:
8/25	Welcome and Introduction to the Class	
8/27	Basic Issues	Introduction, Appendix A, Module 4.1 (Genetics)
9/1	Basic...continued	1 <sup>st</sup> Time Magazine or Surgical Journal Article summary due (optional – extra credit)
9/3	Nerve Cells and Nerve Impulses	Chapter 1
9/8	Nerve Cells...continued	
9/10	Synapses	Chapter 2
9/15	Synapses...continued	
9/17	Anatomy of the Nervous System	Chapter 3

9/22	Anatomy...continued	
9/24	<b>Catch up, Review, and Surprise Day</b>	
9/29	<b>Exam 1 on Introduction, Chs 1, 2, 3, and module 4.1</b>	
10/1	Development and Plasticity of the Brain	Ch 4: Modules 4.2 and 4.3
10/6	Development...continued	
10/8	<b>Movie Day - Vision</b>	
10/13	Vision	Chapter 5
10/15	Vision...continued	
10/20	Movement	Chapter 7
10/22	Movement...continued	
10/27	<b>Catch up and Review Day</b>	
10/29	<b>Exam 2 on Modules 4.2, 4.3 and Chapters 5, 7</b>	
11/3	<b>No School – Election Day</b>	
11/5	Emotional Behaviors	Chapter 11
11/10	Emotions...continued	
11/12	Extra Credit Day – Oral summaries of pop culture articles	Pop culture article – written and oral summary due (optional – extra credit)
11/17	Learning and Memory	Chapter 12
11/19	Learning...continued	2 <sup>nd</sup> Time Magazine or Surgical Journal Article summary due (optional – extra credit)
11/24	<b>No School – Thanksgiving Break</b>	
11/26	<b>No School – Thanksgiving Break</b>	
12/1	Psychological Disorders – <b>CLASS MOVES ONLINE</b>	Modules 14.2, 14.3, and 14.4
12/3	Psychological...continued – <b>CLASS MOVES ONLINE</b>	
12/8	Psychological...continued – <b>CLASS MOVES ONLINE</b>	
12/10	<b>Catch up and Review Day – CLASS MOVES ONLINE</b>	
THR 12/17 8:00- 9:40 AM	<b>Final Exam on Chapters 11, 12 and modules 14.2, 14.3, and 14.4</b>	

### **My own policies on COVID**

- For the purposes of contact tracing, as recommended by the Madison County Health Department, I will have a seating chart. You must sit in your assigned seat for the entirety of the semester, and I will take daily attendance.
- Please go right to your seat and stay there as soon as you enter the room – it's the only way to keep you all socially distant.
- I am, by nature, a touchy person – I commonly tap shoulders, pat bats, and hug folks. I also tend to walk around my classroom. It's still not quite second nature for me to distance, so to protect all of us, I'm going to ask students to stay off the stage in FH 0207 and I'm going to force myself to stay on the stage. If you need to approach me before or after class, please do not come up on the stage. I will come 6 feet from the edge and we can talk that way.
- I will come to class and leave class with a mask, but during lecture, I will wear a face shield so you can better hear me and see my lips. (This has been approved by SIUE administration.)
- At some point, the University may be required to convert all or some F2F classes to online. If that is the case, we will continue on synchronously. (Classes will be recorded for those too sick to watch during the assigned class time.)

# SIUE COVID-19 Pandemic Policies Related to Classroom Instruction (Fall 2020)

## Health and Safety

Consistent with the Illinois Board of Higher Education guidance contained in “Safely Launching Academic Year 2020” released on June 23, 2020 and guidelines established by Governor J. B. Pritzker and *Restore Illinois*, Southern Illinois University Edwardsville has implemented a new policy to help ensure the safety of all students, faculty and employees during the pandemic. The measures outlined below are required and any student who does not comply may be in violation of the *COVID-19 People-Focused Health and Safety Policy*, as well as the University’s *Student Code of Conduct*.

The full text of the *COVID-19 People-Focused Health and Safety Policy* can be found here:  
<https://www.siu.edu/policies/Covid.shtml>.

## Classrooms, Labs, Studios, and Other Academic Spaces

While in the classroom, lab, studio, or other academic spaces, students shall practice social distancing measures by maintaining a distance of at least six feet from others in the classroom and wearing a face covering. Extra care should be taken upon entering and leaving the classroom spaces. Classroom furniture should not be rearranged, and furniture that has been taped off or covered should not be used.

Students who forget to wear a face mask or face shield will be reminded of their obligation to comply with SIUE’s *COVID-19 People-Focused Health and Safety Policy* and temporarily asked to leave the class until they are able to conform to the policy. Students who forget or lose their face coverings may be able to obtain replacements from a friend, a faculty member, or a nearby departmental office. Face coverings are also available for purchase in the Cougar Store (MUC).

Students who refuse to wear a face covering will be asked to leave the classroom and referred to the Dean of Students for non-compliance with community health and safety protocols. Repeated non-compliance may result in disciplinary actions, including the student being administratively dropped from an on-ground/face-to-face course or courses without refund if no alternative course format is available.

If a student has a documented health condition which makes wearing a face covering medically intolerable, that student should contact ACCESS to explore options with the understanding that ACCESS will not grant accommodations which excuse the need for a face covering while on campus or in the classroom. ACCESS will work with qualifying individuals to find reasonable alternatives, whenever such solutions are available. Please call or contact the ACCESS Office via email to schedule an online appointment to discuss potential alternatives. ACCESS office (Student Success Center, Room 1203, 618-650-3726, and [myaccess@siue.edu](mailto:myaccess@siue.edu)).

## General Health Measures

At all times, students should engage in recommended health and safety measures, which include:

- Conducting a daily health assessment. If you have COVID-19 symptoms, but not yet tested positive, have had COVID-19 close contact exposure, or are COVID-19 diagnosed as presumptive or confirmed positive, stay home and contact your health provider or SIUE Health Service at [cougarcare@siue.edu](mailto:cougarcare@siue.edu) or 618-650-2842. More information is available on the SIUE Coronavirus website: <https://www.siu.edu/about/announcements/coronavirus/>
- Frequent washing or disinfecting of hands.
- Social distancing by maintaining a distance of at least six feet from others.
- Face masks or face coverings that cover the nose and mouth are required in indoor public spaces regardless of the ability to maintain social distance. Indoor public spaces include common spaces or community settings that anyone can access, such as reception areas with walk-in access, restrooms, hallways, classrooms, teaching and research laboratories, as well as common spaces in residence halls, conference rooms, lobbies, and break rooms.

- Adhere to directional signs and traffic flow patterns in buildings and offices. Doors for entering and exiting buildings will be designated. Where multiple doors exist, in and out doors will be marked with “Entrance” and “Exit” signs. Plans that consider traffic flow in and out of buildings, and within buildings (i.e. stairs, hallways, etc. where possible) will be marked.

### **Academic Integrity**

Students are reminded that the expectations and academic standards outlined in the Student Academic Code (3C2) apply to all courses, field experiences and educational experiences at the University, regardless of modality or location. The full text of the policy can be found here: <https://www.siue.edu/policies/3c2.shtml>.

### **Recordings of Class Content**

Faculty recordings of lectures and/or other course materials are meant to facilitate student learning and to help facilitate a student catching up who has missed class due to illness. As such, students are reminded that the recording, as well as replicating or sharing of any course content and/or course materials without the express permission of the instructor of record, is not permitted, and may be considered a violation of the University’s Student Conduct Code (3C1), linked here: <https://www.siue.edu/policies/3c1.shtml>.

### **Potential for Changes in Course Schedule or Modality**

As the COVID-19 pandemic continues, there remains a possibility that planned classroom activities will need to be adjusted. Depending on circumstances and following state-issued recommendations, potential changes include changes in course modality (e.g., transition from face-to-face to online) or in course scheduled meetings. These changes would be implemented to ensure the successful completion of the course. In these cases, students will be provided with an addendum to the class syllabus that will supersede the original version.