



SAINT LOUIS UNIVERSITY
MADRID

PSY 3130 M01: Physiological Psychology
Fall 2017

Class Days and Time: Tuesday/Thursday 09:30-10:45am

Classroom: PHR 7

Prerequisite(s): PSY 1010

Credit(s): 3

Instructor: Andrea Pousada, Ph.D.

Instructor's Email: pousadacasala@slu.edu

Instructor's Campus Phone: 91 554 58 58, ext. 254

Office: PRH 306

Office Hours: Tuesday 12:30-1:30pm

Course Description: This course is an overview of the field of physiological psychology and it is designed to provide an analysis of basic physiological processes underlying our behavior and emotions. Structure and function of the nervous system as well as the interrelationships between the brain and such behaviors learning, memory, emotion, sleeping and mental disorders will be discussed in this course. Other topics will include drugs and addiction, vision hearing and other sensory systems, cognitive functions and research in physiological psychology.

By the end of the semester students must be able to discuss the role of the brain in behavior and cognition and the importance of physiological psychology in the field of clinical psychology.

Course Goals and Student Learning Outcomes: At the end of the course, students will:

- Learn the basic principles of physiological psychology and understand the importance of the field within psychology.
- Know the role of the brain in behavior, emotions and cognition.
- Be familiar with brain structure and functional mechanisms.
- Have the ability to think critically about research in physiological psychology.
- Understand the basics of neurochemistry and how the brain has major impact on our daily life.

Statement of Goal

Saint Louis University - Madrid Campus is committed to excellent and innovative educational practices. In order to maintain quality academic offerings and to conform to relevant accreditation requirements, the Campus regularly assesses its teaching, services, and programs for evidence of student learning outcomes achievement. For this purpose anonymized representative examples of student work from all courses and programs is kept on file, such as assignments, papers, exams, portfolios, and results from student surveys, focus groups, and reflective exercises. *Thus, copies of student work for this course, including written assignments, in-class exercises, and exams may be kept on file for institutional research, assessment and accreditation purposes.* If students prefer that Saint Louis University - Madrid Campus does not keep their work on file, they need to communicate their decision in writing to the professor.

Required Texts and Materials:

Garret, B (2015). "Brain and Behavior". 4th Edition. Sage Publications.

Some useful books:

- Carlson, N (2013). Physiology of Behavior. 11 th Edition. Pearson.
- Pinel, G; Edwards, M (2007). A Colorful Introduction to the Anatomy of the Human Brain. 2nd Edition. Pearson.

Attendance Policy:

Students are expected to attend class regularly and to arrive to class promptly. Late arrival to class is not only rude, it is disruptive to both the professor and fellow classmates. You are responsible for all announcements made and/or material covered during class meetings. Please keep in mind that on occasion, when the class as a whole is interested in pursuing a topic more in depth, when the opportunity arises to invite a guest speaker, or when other unpredictable events happen, slight changes may be made in the schedule on the syllabus, so it is always best to come to class and stay informed.

Class lectures will include topics in more detail than the text allows, and topics that are not in the text at all. Anything discussed in class may appear on exams. In addition, a large part of your semester grade will come from in-class activities and assignments. These assignments cannot be made up if you are absent for any reason. As such, it will be difficult to be successful in this class without attending regularly. Although the professor does not take attendance, please keep in mind that your class participation grade may be negatively affected for excessive absences or tardiness. Students who miss class due to illness are asked notify the professor as soon as possible to discuss the issue and agree upon the appropriate course of action.

Classroom Etiquette:

Appropriate behavior in the classroom is expected at all times. Part of the goal of this course is to help train you to be successful in a professional environment. Professionalism includes being punctual, speaking clearly and calmly, respecting and working well with others. If you have special circumstances that will prevent you from arriving on time or you need to leave earlier on a regular basis, please let me know in advance.

During class we will sometimes have discussions in which students are encouraged to express their own opinions and views. Respecting other students' opinions and values -no matter how different differ from one's own- is essential to creating a comfortable environment that fosters intellectual discussion. Prejudice and discrimination will not be tolerated. Debate is an excellent way to facilitate critical thinking, but respect for others must be maintained in all discussions.

Course Requirements and Grading Rationale/System:

Exams: There will be 3 noncumulative exams throughout the semester (2 mid-term and a final exam). Any material presented or discussed in class as well as extra readings or activities can be included in the exam. Exams will consist of multiple choice, short answer, and essay questions.

Students who miss an exam for an emergency (e.g. hospitalization, death in the family) must contact the professor immediately to evaluate the situation and, schedule a makeup exam.

Final exam times are determined by the Registrar and cannot be changed. Students who believe they have an extenuating circumstance that warrants a change in the date/time of the final exam must speak directly with the Academic Dean. Students who do not show up for a midterm or final exam without such extenuating circumstances will receive a grade of 0, or "F".

Class activities/Homework: Throughout the semester there will be many class activities that will count toward your grade. In most cases these activities will not be announced in advance so it is important to attend class regularly. (If you don't attend or are late to class on the day of an activity and miss it, you cannot receive points for that activity. These activities may include (but are not limited to) participation in demonstrations of an experiment, worksheets

completed individually or in groups and participation in group discussions. Some of these activities may become homework assignments that will be turned in on the following class day (unless otherwise instructed).

Readings/Quizzes: It is your responsibility to keep up with the readings for the course. Students are expected to have completed the course readings prior to the class for which they have been assigned.

Paper and oral presentation: The paper will be an original work (not a revision) of a major empirical or literature review of any human brain disorder of your interest previously approved by the Professor. The paper must be in APA style, and have a minimum of 10 professional journal, or book citations with no more than three governmental internet sources. You can use on-line professional journals (not website information). The use of popular press articles can be used but will not count toward your citations. Each paper will be graded on APA format, clarity, discussion of the topic area, reference quality, and general approach to your presentation. The paper should have a minimum length of 5 pages and maximum of 8 pages.

The paper must be your original work. Use of other student's papers, cutting and pasting material from the web without giving the author credit, etc. is considered plagiarism and your paper will not be reviewed and included in your final grade. All papers are due by Nov 24th at the time of our class – No late submissions will be accepted! The paper will be presented to the class in a PowerPoint format. Each student will have 10 minutes to present their work to the class. The presentations will be scheduled in advance.

Anticipated Grading (subject to change):

The final grade is calculated as follows:

Exams: 3x20= 60%

Paper + oral presentation: 25%

Class Participation: 15%

Saint Louis University Grade Policy

A	94-100 4.0	Sobresaliente
A-	90-93 3.7	Sobresaliente bajo
B+	87-89 3.3	Notable alto
B	84-86 3.0	Notable
B-	80-83 2.7	Notable bajo
C+	77-79 2.3	Aprobado alto
C	74-76 2.0	Aprobado
C-	70-73 1.7	Aprobado bajo
D	60-69 1.0	Aprobado bajísimo
F	<60 0.0	Suspense
P/NP		Apto / No apto
W		Clase retirada

E-mail: Campus and course announcements will often be handled by e-mail. Students should check their "@slu.edu" e-mail regularly.

University Statement on Academic Integrity: Academic integrity is honest, truthful and responsible conduct in all academic endeavors. The mission of Saint Louis University is "the pursuit of truth for the greater glory of God and for the service of humanity." Accordingly, all acts of falsehood demean and compromise the corporate endeavors of teaching, research, health care and community service via which SLU embodies its mission. The University strives to prepare students for lives of personal and professional integrity, and therefore regards all breaches of academic integrity as matters of serious concern.

The governing University-level Academic Integrity Policy can be accessed on the Provost's Office [website](#) at:.

Additionally, SLU-Madrid has posted its academic integrity policy online: <http://www.slu.edu/madrid/academics>. As a member of the University community, you are expected to know and abide by these policies, which detail definitions of violations, processes for reporting violations, sanctions and appeals.

The professor will review these matters during the first weeks of the term. Please direct questions about any facet of academic integrity to your faculty, the chair of the department of your academic program or the Academic Dean of the Madrid Campus.

University Title IX Statement: Saint Louis University and its faculty are committed to supporting our students and seeking an environment that is free of bias, discrimination, and harassment. If you have encountered any form of sexual misconduct (e.g. sexual assault, sexual harassment, stalking, domestic or dating violence), we encourage you to report this to the University. If you speak with a faculty member about an incident of misconduct, that faculty member must notify SLU's Title IX deputy coordinator, Marta Maruri, whose office is located on the ground floor of Padre Rubio Hall, Avenida del Valle, 28 (mmaruri@slu.edu; 915-54-5858, ext. 213) and share the basic fact of your experience with her. The Title IX deputy coordinator will then be available to assist you in understanding all of your options and in connecting you with all possible resources on and off campus.

If you wish to speak with a confidential source, you may contact the counselors at the SLU-Madrid's Counseling Services on the third floor of San Ignacio Hall (counselingcenter-madrid@slu.edu; 915-54-5858, ext. 230) or Sinews Multiplettherapy Institute, the off-campus provider of counseling services for SLU-Madrid (www.sinews.es; 917-00-1979). To view SLU-Madrid's sexual misconduct policy and for resources, please visit the following web address: <http://www.slu.edu/Documents/Madrid/campus-life/SLUMadridSexualMisconductPolicy.pdf>.

Students with Special Needs: In recognition that people learn in a variety of ways and that learning is influenced by multiple factors (e.g., prior experience, study skills, learning disability), resources to support student success are available on campus. Students who think they might benefit from these resources can find out more about:

- Course-level support (e.g., faculty member, departmental resources, etc.) by asking your course instructor.
- University-level support (e.g., tutoring/writing services, Disability Services) by visiting the Academic Dean's Office (San Ignacio Hall) or by going to <http://www.slu.edu/madrid/learning-resources>.

Students with a documented disability who wish to request academic accommodations must contact Disability Services to discuss accommodation requests and eligibility requirements. Once successfully registered, the student also must notify the course instructor that they wish to access accommodations in the course. Please contact Disability Services at disabilityservices-madrid@slu.edu or +915 54 58 58, ext. 230 for an appointment. Confidentiality will be observed in all inquiries. Once approved, information about the student's eligibility for academic accommodations will be shared with course instructors via email from Disability Services. For more information about academic accommodations, see "Student Resources" on the SLU-Madrid webpage.

Note: Students who do not have a documented disability but who think they may have one are encouraged to contact Disability Services.

Fall 2017 Course Schedule (subject to change at the instructor's discretion):

WEEK	DATE	TOPIC	Readings and Assignments DUE
1	Sep. 5	Syllabus and course overview	Syllabus
	Sep. 7	Introduction to Physiological Psychology	Ch. 1
2	Sep. 12	Brain cells, Nervous system communication and Plasticity I	Ch. 2
	Sep. 14	Brain cells, Nervous system communication and Plasticity II	Ch. 2
3	Sep. 19	Brain cells, Nervous system communication and Plasticity III	Ch. 2
	Sep. 21	Neuroanatomy I	Ch. 3
4	Sep. 26	Neuroanatomy II	Ch. 3
	Sep. 28	Neuroanatomy III	Ch. 3
5	Oct. 3	Methods and ethics of research in physiological psychology	Ch. 4
	Oct. 5	Methods and ethics of research in physiological psychology II	Ch. 4
6	Oct. 10	FIRST MIDTERM EXAM	
	Oct. 12	HOLIDAY – Día de la Hispanidad	
7	Oct. 17	Drugs, addiction and reward	Ch. 5
	Oct. 19	Hearing and Language	Ch. 9
8	Oct. 24	Vision and visual perception	Ch. 10
	Oct. 26	The body senses and movement I	Ch. 11
9	Oct. 31	The body senses and movement II	Ch. 11
	Nov. 2	Learning and memory	Ch. 12
10	Nov. 7	SECOND MIDTERM EXAM	
	Nov. 9	HOLIDAY – Día de la Almudena	
11	Nov. 14	Emotion and Health I	Ch. 8
	Nov. 16	Emotion and Health II	Ch. 8
12	Nov. 21	Sleep and Consciousness I	Ch. 15
	Nov. 23	Sleep and Consciousness II	Ch. 15
13	Nov. 28	Psychological Disorders I	Ch. 14
	Nov. 30	Psychological Disorders II	Ch. 14
14	Dec. 05	The Biology of Sex and Gender	Ch. 7
	Dec. 7	Oral Presentations	
15	Dec. 12	Oral Presentations	
16	Dec. 19	FINAL EXAM (08:30-11:30)	

	14 Dec (Th)	15 Dec (Fr)	18 Dec (Mn)	19 Dec (Tu)	20 Dec (Wd)
08:30-11:30	Mn classes that meet at 9:00 & 9:30	Mn classes that meet at 10:00	Mn classes that meet at 11:00 & 11:30	Tu classes that meet at 9:30 & 10:00	Tu classes that meet at 8:00
12:00-15:00	Tu classes that meet at 11:00	Mn classes that meet at 13:00	Tu classes that meet at 14:30	Mn classes that meet at 12:00	Tu classes that meet at 12:30
15:30-18:30	Mn classes that meet at 14:30	Tu classes that meet at 17:00 & 17:30	Mn classes that meet at 16:00	Tu classes that meet at 15:30 & 16:00	Mn classes that meet at 17:30
19:00-22:00	---	---	Mn classes that meet at 19:00	Tu classes that meet at 19:00	---