

1. BASIC INFORMATION

Course	Sensation, perception and attention
Degree program	Degree in Psychology
School	Health Sciences
Year	First
ECTS	6
Credit type	Basic
Language(s)	Spanish / English
Delivery mode	On campus
Semester	First
Academic year	2024-2025
Coordinating professor	Dra. Aina Roda Luque García

2. PRESENTATION

The subject of sensation, perception and attention is a subject included within the degree of Psychology, of compulsory character, which consists of a total of 6 ECTS. For most students, Sensation, Perception and Attention is the first exposure to the cognitive mechanisms and processes that people use to adapt to the environment around them. In addition, this subject aims to introduce students to the scientific methodology applied in the resolution of psychological problems and the different procedures used in this area.

The learning outcomes achieved throughout this subject are complementary to those achieved in other core subjects in the psychology curriculum such as "Psychology of Learning", "Psychology of Memory", "Psychology of Thought", "Psychology of Language", "Motivation and Emotion".

Sensation, Perception and Attention describes the sensory and perceptual processes involved in obtaining information from the environment and, on the other hand, in the attentional functions involved in the selection of only a part of that information, controlling mental and behavioral activity, and reaching and maintaining alertness.

This basic knowledge is fundamental to understand other psychological processes, relevant in the applied fields of psychology, such as those related to health and social behavior.

3. LEARNING OUTCOMES

Knowledge

KNO11 - Be able to identify differences, problems and needs, as well as a professional approach to them.

Competences

CP03 - Be able to describe and measure variables (personality, intelligence and other aptitudes, attitudes, etc.) and cognitive, emotional, psychobiological and behavioural processes.

CDC02 - Transmit messages (ideas, concepts, feelings, arguments), both orally and in writing, strategically aligning the interests of the different agents involved in communication in the academic and professional environment.

CDC06 - Integrate analysis with critical thinking in a process of evaluating different ideas or professional possibilities and their risk of error, based on evidence and objective data that lead to effective and valid decision-making.

Learning outcomes of the subject:

- This subject offers an integrated perspective of the processes of sensation, perception and attention.
- Students will learn about the mechanisms and basic laws of the functioning of sensory, perceptual and attentional processes and the biological bases that sustain these processes

4. CONTENT

1. The sensory process.
2. Physiological bases of sensation.
3. The perceptual process.
4. Physiological basis of perception
5. Basic visual processing: color, brightness, and contrast.
6. Visual perception of shape, size, depth, and movement.
7. Auditory perception.
8. The attentional process.
9. Types of attention: selective attention, divided attention, vigilance.
10. Physiological bases of attention.

5. TEACHING-LEARNING METHODOLOGIES

- Problem-based learning (PBL)
- Lectures
- Student oral presentations
- Practical exercises

6. LEARNING ACTIVITIES

Listed below are the types of learning activities and the number of hours the student will spend on each one:

Campus-based mode:

Learning activity	Number of hours
Lectures	45
Problem solving	20
Face-to-face tutorial	5
Autonomous work	50
Formative assessment (feedback of evaluation test)	5
Practical excercises	10
Research activities	15
TOTAL	150

7. ASSESSMENT

Listed below are the assessment systems used and the weight each one carries towards the final course grade:

Campus-based mode:

Assessment system	Weight
Reports and writings	10%
Case studies and problem solving	10%
Laboratory practicals	10%
Student's memory of the practice	10%
Knowledge test	60%

When you access the course on the *Campus Virtual*, you'll find a description of the assessment activities you have to complete, as well as the delivery deadline and assessment procedure for each one.

7.1 First exam period

To pass the course in the first exam period, you must obtain a final course grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 5.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

As specified in the table in the previous section, the subject is made up of the following evaluation systems that must be passed:

Reports and writings	10%
Case studies and problem solving	10%
Laboratory practicals	10%
Student's memory of the practice	10%
Knowledge test	60%

The professor reserves the right to propose additional activities that may become mandatory for the evaluation and passing of the subject if the situation requires it.

In face-to-face mode, to pass the subject in the ordinary call, it is necessary to have attended a minimum of 50% of the classes. Classroom attendance is governed by regulations published on the website: For students who take face-to-face teaching, it is mandatory to accredit at least 50% of the attendance. The student who does not reach or exceed 50% attendance in the subject (regardless of justified absences) will be graded as failing in the ordinary exam session and will have to make up the subject in the extraordinary exam session.

In this case, the grade obtained in the practical module will be maintained, but the grade obtained in the knowledge test(s) will not be maintained.

The "Distinction of Honours" mention may be awarded to students who have obtained a grade equal to or greater than 9 out of 10. Their number may not exceed 5% of the students enrolled in each subject in the corresponding academic year, unless the number of students enrolled is less than 20, in which case only one may be awarded.

7.2 Second exam period

To pass the course in the second exam period, you must obtain a final grade of at least 5 out of 10 (weighted average).

In any case, you will need to obtain a grade of at 5.0 in the final exam in order for it to count towards the final grade along with all the grades corresponding to the other activities.

The student must deliver the activities not successfully completed in the first exam period after having received the corresponding corrections from the professor, or those that were not delivered in the first place.

Regarding the knowledge test(s), a knowledge test of similar characteristics to the one carried out in the ordinary call will be carried out. Regarding the rest of the activities, the activities not passed in the ordinary call must be submitted under the terms and conditions defined by the teacher on the same date as the knowledge test. The weighting of the systems for the final grade is the same as in the ordinary call.

8. SCHEDULE

This table shows the delivery deadline for each assessable activity in the course:

Assessable activities	Deadline
Reports and writings	According to indications on the Virtual Campus (Canvas)
Case studies and problem solving	According to indications on the Virtual Campus (Canvas)
Laboratory practicals	According to indications on the Virtual Campus (Canvas)
Student' s memory of the practice	According to indications on the Virtual Campus (Canvas)
Knowledge test	First exam period: January 2025 Second exam period: July 2025

This schedule may be subject to changes for logistical reasons relating to the activities. The student will be notified of any change as and when appropriate.

9. BIBLIOGRAPHY

The main reference work for this subject is:

- Goldstein, E. B., y Cacciamani, L. (2021). *Sensation and perception*. Cengage Learning
- Goldstein, E. B., Nuñez Ramos, A., & Peralta Rosales, L. (2011). *Sensación y percepción: E. Bruce Goldstein* (8a. ed.--.). México D. F.: Cengage Learning.
- Purves, D., Augustine, G. J., Fitzpatrick, D., Hall, W. C., & Lamantia, A. S. (2007). *Neurociencia*. Editorial médica panamericana.

The recommended Bibliography is:

- Styles, E. (2006). *The psychology of attention*. Psychology Press.
- Echegoyen Blanco, I., & Sánchez-Izquierdo Alonso, M. (2021). *Memoria, Atención y Percepción*.

10. EDUCATIONAL ORIENTATION, DIVERSITY AND INCLUSION UNIT

From the Educational Orientation, Diversity and Inclusion Unit we offer support to our students throughout their university life to help them reach their academic achievements. Other main actions are the students inclusions with specific educational needs, universal accessibility on the different campuses of the university and equal opportunities.

From this unit we offer to our students:

1. Accompaniment and follow-up by means of counselling and personalized plans for students who need to improve their academic performance.
2. In terms of attention to diversity, non-significant curricular adjustments are made in terms of methodology and assessment for those students with specific educational needs, pursuing an equal opportunities for all students.
3. We offer students different extracurricular resources to develop different competences that will encourage their personal and professional development.
4. Vocational guidance through the provision of tools and counselling to students with vocational doubts or who believe they have made a mistake in their choice of degree.

Students in need of educational support can write to us at:

orientacioneducativa.uev@universidadeuropea.es

11. ONLINE SURVEYS

Your opinion matters!

The Universidad Europea encourages you to participate in several surveys which help identify the strengths and areas we need to improve regarding professors, degree programs and the teaching-learning process.

The surveys will be made available in the “surveys” section in virtual campus or via e-mail.

Your assessment is necessary for us to improve.

Thank you very much for your participation.