

COURSE UNIT INFORMATION SHEET (SYLLABUS)
2020/2021

Name Perception, Attention, and Memory
Teaching staff (Also indicate the Professor in charge) Sandra Fernandes (In charge); Ana Pinheiro
ECTS 6
Functioning One theoretical lesson (2 hours) and one practical lesson (2 hours) per week
Learning goals 1 – To acquire critical knowledge on the theoretical and methodological perspectives about core themes of Cognitive Psychology in the topics of Perception, Attention, and Memory. 2 – To promote reflexive abilities about specific topics of research in Perception, Attention, and Memory. 3 – To enhance analytic reasoning abilities about scientific concepts on behavioral and mental processes in the fields of Perception, Attention, and Memory. 4 – To promote critical reading abilities of scientific texts about Cognitive Science research on Perception, Attention, and Memory.
Skills to be developed 1 – Critical reasoning abilities on topics of Cognitive-Science research in Perception, Attention, and Memory, including their translational applications. 2- Scientific reasoning abilities about cognitive processes and behavior in the topics of Perception, Attention, and Memory.

3 – Reading-comprehension abilities of scientific texts, namely discussion and analyses of scientific papers on cognitive-science research on Perception, Attention, and Memory.

Prerequisites (precedences) *

Not applicable

Contents

1. Framework: Cognitive Psychology as a paradigm and as a field of study; Current lines of work in cognitive psychology.
2. Basic Processes in Visual Perception and Perceptual Organization.
3. Object and Face recognition.
4. Perception, Action and Movement.
5. Attention and Performance: Selective and Distributed Attention.
6. Memory, Learning and Forgetting.
7. Memory Systems and Memory Processes.
8. Everyday life Memory.
9. Consciousness and perceptive, attentional and memory processes.

Bibliography

Baddeley, A., Eysenck, M. W. & Anderson, M. C. (2015). Memory. New York: Psychology Press.

Eysenck, M. W., & Keane, M. T. (2015). Cognitive Psychology: A student's handbook (7th ed.). Hove, East Sussex: Psychology Press. (A 5ª edição tem tradução em português).

Goldstein, E. B. (2014). *Sensation and Perception*. Belmont: Wadsworth Publishing Company.

Nobre, K., & Kastner, E. (Ed.) (2014). The Oxford Handbook of Attention. Oxford: Oxford University Press. doi: 10.1093/oxfordhb/9780199675111.001.0001

Other references will be given along the semester, in classes.

Teaching methods

Theoretical classes

Lecture and discussion about program contents. Single class.

Practical classes



Exposition and illustration of program topics, and methodologies used in the study of perception, attention, and memory with practical demonstrations.

Presentation and discussion of scientific papers by students. Each student must register and attend a specific practical class.

Evaluation Regimes (General and/or Alternative)

For approval on the course unit, students must do the evaluation elements 1 and 2, choosing to take or not the element 3, if available.

1. Oral presentation of scientific papers during face-to-face practical classes.
2. Final face-to-face written examination.
3. Participation in experimental research, if available (optional).

Alternative Evaluation Regime in the event of emergency state:

1. Oral presentation of scientific papers in synchronous videoconference practical lectures.
2. Final written examination via Moodle.
3. Participation in experimental research, if available (optional).

Evaluation Elements

(Dates due, weights, minimum required grades)

1. Oral presentation of scientific papers. The list of papers and the specific characteristics of the work will be available in Moodle course unit page (4 points).
2. Final written examination. Simple score. (16 points or 15.5 values if the element 3 is made).
Approval on the course unit requires a minimum grade of 9,5 in 20 in elements 1 and 2..
3. Participation in experimental research, if available (optional - 0.5 points).

The final score is the sum of the partial notes.

More information about the practical work and the exam will be provided during the lectures.

For students in general evaluation regime, the final assessment is subject to rules of attendance.

Rules for grade improvement

Given the nature of the evaluation elements only the examination is susceptible to improvement.

Rules for students having previously failed the course unit *

Repeating students may maintain the evaluation of practical work carried out in one of the two previous academic years (2018-2019 or 2019-2020).

Requirements on attendance and punctuality

For students in general evaluation regime the final evaluation is subject to rules of assiduity. In this way, it is allowed a maximum of four absences in practical classes.

The presence requires participation in the entire class.

Rules for special students

(workers, elite athletes, student body leaders, military, fathers/mothers, with special needs) *

Language of instruction

Portuguese

Disciplinary violations and penalties

According to the Evaluation of Learning Regulation of the Faculty of Psychology of the University of Lisbon, the following behaviors are considered as disciplinary offenses subject to disciplinary action:

- a) To use or attempt to use materials, information, notes, study resources or other objects and equipment not authorized in academic exercises;
- b) To help or try to help a colleague in committing a disciplinary offense;
- c) To submit the same written work for evaluation in different course units without permission from the instructors, even if with minor changes;



- d) To present someone else's work as one's own;
- e) To forge, or change without permission from the author, any information or citation in an academic work;
- f) To interfere, change or attempt to change grades;
- g) To try to prevent or interfere with the proper functioning of classes, research or other academic activities;
- h) To make false accusations regarding instructors, governance bodies, other students or non-teaching staff of the FPUL;
- i) To falsify signatures in attendance sheets, documents relating to evaluation elements or in any official document relating to an academic process or status.

Disciplinary offenses committed in any assessment element can lead to its annulment, and must be reported to the Pedagogical Council or, considering their gravity and repetition, may lead to other penalties, to be determined by the Rector of the University of Lisbon.

* If applicable