

Guía docente de la asignatura

**Atención**Fecha última actualización: 05/07/2021  
Fecha de aprobación por la Comisión  
Académica: 16/07/2021**Máster**Máster Universitario en Neurociencia Cognitiva y del  
Comportamiento**MÓDULO**

Neurociencia Cognitiva y del Comportamiento

**RAMA**

Ciencias de la Salud

**CENTRO RESPONSABLE  
DEL TÍTULO**

Escuela Internacional de Posgrado

**Semestre**

Segundo

**Créditos**

4

**Tipo**

Optativa

**Tipo de  
enseñanza**

Presencial

**PRERREQUISITOS Y/O RECOMENDACIONES**

Prerequisites to properly follow the course:

1. Fluent reading of scientific English.
2. Basic knowledge about cognitive processes, the mechanisms involved, and explanatory theories.
3. Basic knowledge about the research methodology in Psychology and Neuroscience and in Cognitive Neuroscience in particular.

Students who do not meet these conditions may have to make an extra effort to properly follow the course, thus compensating for their initial deficiencies. However, with that little extra effort, it is expected that they will be able to cover 100% of the course objectives.

**BREVE DESCRIPCIÓN DE CONTENIDOS (Según memoria de verificación del Máster)**

- Historical and conceptual introduction to the experimental study of attention.
- Attentional Orientating to Objects and Space and Information Selection.
- Orientating of Attention in Time: Alertness, Vigilance, and Voluntary Temporal Orienting.
- Attention and Cognitive Control processes.
- Dysfunctions of the attention processes.



## COMPETENCIAS

### COMPETENCIAS BÁSICAS

- CB6 - Poseer y comprender conocimientos que aporten una base u oportunidad de ser originales en desarrollo y/o aplicación de ideas, a menudo en un contexto de investigación.
- CB7 - Que los estudiantes sepan aplicar los conocimientos adquiridos y su capacidad de resolución de problemas en entornos nuevos o poco conocidos dentro de contextos más amplios (o multidisciplinares) relacionados con su área de estudio.
- CB8 - Que los estudiantes sean capaces de integrar conocimientos y enfrentarse a la complejidad de formular juicios a partir de una información que, siendo incompleta o limitada, incluya reflexiones sobre las responsabilidades sociales y éticas vinculadas a la aplicación de sus conocimientos y juicios.
- CB9 - Que los estudiantes sepan comunicar sus conclusiones y los conocimientos y razones últimas que las sustentan a públicos especializados y no especializados de un modo claro y sin ambigüedades.
- CB10 - Que los estudiantes posean las habilidades de aprendizaje que les permitan continuar estudiando de un modo que habrá de ser en gran medida autodirigido o autónomo.

## RESULTADOS DE APRENDIZAJE (Objetivos)

The student will know/understand:

The cognitive processes involved in Attention, as well as the tasks and experimental paradigms used for their study, differentiating between the different attentional functions of Alertness, Orienting, and Cognitive Control.

Current theories of Attention.

The brain areas involved in Attention.

The student will be able to:

Perform a literature search to elaborate on a particular aspect of attention.

Analyze a situation in relation to the attentional processes involved and the critical variables that determine the involvement of these processes. Plan the use of different attentional tasks to measure attentional performance.

## PROGRAMA DE CONTENIDOS TEÓRICOS Y PRÁCTICOS

### TEÓRICO

Session 0. Presentation of the course.

Session 1. Psychology of attention: Historical and conceptual introduction.



- Session 2. Psychology of attention: The different attentional functions.
- Session 3. Spatial orienting of attention and inhibition of return.
- Session 4. Attentional orientating based on socio-emotional keys: Gaze and joint attention.
- Session 5. Information Selection.
- Session 6. Attention, processing, and selection of information: Theory of Perceptual Load.
- Session 7. Attention, processing, and perceptual awareness.
- Session 8. Attention, learning, and memory: Implicit vs. Explicit.
- Session 9. Temporal orienting of Attention.
- Session 10. Alertness and Sustained Attention.
- Session 11. Automaticity and Cognitive Control Processes.
- Session 12. Mechanisms of conflict monitoring and adjustment.
- Session 13. Control of action: Task switching and multitasking.
- Session 14. Measurement of attentional networks, and other attentional mechanisms in different populations.

## PRÁCTICO

Final Session. Discussion and sharing of the research project on Attention (elaborated across the different sessions).

## BIBLIOGRAFÍA

### BIBLIOGRAFÍA FUNDAMENTAL

Specific bibliography will be provided for each topic.

### BIBLIOGRAFÍA COMPLEMENTARIA

Specific bibliography will be provided for each topic.

## ENLACES RECOMENDADOS

The platform PRADO (Plataforma de Recursos de Apoyo a la Docencia, de la Universidad de Granada) will be used: <https://pradoposgrado2021.ugr.es/course/view.php?id=481>



**EVALUACIÓN (instrumentos de evaluación, criterios de evaluación y porcentaje sobre la calificación final)****EVALUACIÓN ORDINARIA**

Article 17 of the UGR Assessment Policy and Regulations establishes that the ordinary assessment session (convocatoria ordinaria) will preferably be based on the continuous assessment of students, except for those who have been granted the right to a single final assessment (evaluación única final), which is an assessment method that only takes a final exam into account.

Attendance and attitude in the sessions: quality of the questions prepared for each session, and participation in the discussion. Students must upload to the teaching platform a critical summary of the reading together with some thought questions for discussion during the session. (30%)

Oral presentation of a specific topic. Each student will present at a session, trying to integrate into a single presentation the different articles, in case there is more than one for that session. (20%)

Evaluation questions prepared for each session. After each session, the students must design and upload to the teaching platform a multiple-choice question with a statement, and 4 alternatives (three false and the correct choice). (15%)

Search and presentation of a paper in which attentional functions are investigated in a particularly interesting population (15%)

Exam about the level of integration about the content of the course (20%). This exam will consist, in part, of the questions prepared by all students, and a more general question of integration, to be selected by the teacher. In consensus with students this part of the evaluation can be substituted by the preparation and defense of a small research project on some aspect of attention.

**EVALUACIÓN EXTRAORDINARIA**

Article 19 of the UGR Assessment Policy and Regulations establishes that students who have not passed a course in the ordinary assessment session (convocatoria ordinaria) will have access to an extraordinary assessment session (convocatoria extraordinaria). All students may take part in this extraordinary assessment session, regardless of whether or not they have followed continuous assessment activities. In this way, students who have not carried out continuous assessment activities will have the opportunity to obtain 100% of their mark by means of an exam and/or assignment, about all the content of the subject, and which will take place on the date proposed by the International School for Postgraduate Studies (EIP).

The content of this exam will be the specific material (i.e., papers) that will be provided for each topic. The exam will include multiple-choice and short questions and a short essay about a research plan to test a specific hypothesis.

**EVALUACIÓN ÚNICA FINAL**

Article 8 of the UGR Assessment Policy and Regulations establishes that students who are unable to follow continuous assessment methods due to justifiable reasons shall have recourse to a single final assessment (evaluación única final), which is an assessment method that only takes a final exam into account.

In order to opt for a single final assessment (evaluación única final), students must send a request, using the corresponding online procedure, to the coordinator of the master's programme, in the first two weeks of the course or in the two weeks following their enrolment (if the enrolment has taken place after the classes have already begun). The coordinator will communicate this information to the relevant teaching staff members, citing and verifying the reasons why the student is unable to follow the continuous assessment system. The study material / bibliography will be provided by the teacher and the evaluation will be adapted to one of the two possible scenarios (virtual or blended teaching).

### INFORMACIÓN ADICIONAL

The teaching methodology and assessment will be adapted to students with specific needs (SEN), in accordance with Article 11 of the Regulations on assessment and grading of students at the University of Granada, published in the Official Bulletin of the University of Granada, no. 112, 9 November 2016.

Link to the webform to anonymously publicize situations of harassment on the website of the Unidad de Igualdad of the UGR [https://unidadigualdad.ugr.es/pages/form\\_acoso](https://unidadigualdad.ugr.es/pages/form_acoso)

