

STUDENT GUIDE
MODULE:
ADVANCES IN NEUROPSYCHOLOGICAL REHABILITATION
AND COGNITIVE STIMULATION

Coordinator:

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UAB Code: 42193

Modality: mandatory

10 ECTS

Presential classes:

1st semester of the 2022-2023 academic year

From September 19th to 23th and from October 17th to 21th, 2022

Schedule: from 9 a.m. to 5 p.m. with one hour for lunch

Objective

The objective of this module is to study advances in neuroscience related to the field of Neuropsychological Rehabilitation. Plasticity of knowledge between bodily functions and brain. Variables that contribute to neuropsychological recovery. Current trends on current techniques

and Cognitive exploration tools. The evaluation with the rehabilitating purpose and the results in Neuropsychological rehabilitation and Cognitive Stimulation.

Competencies and learning outcomes

Competencies	Learning outcomes
CE1. Show that you understand current models and theories about the relationship between the central nervous system and cognitive abilities	CE1.1. Identify and explain current trends in neuropsychological rehabilitation CE1.2. Integrate the new conceptual models of intervention in neuropsychological rehabilitation CE1.3. Classify the variables that influence in the rehabilitation process CE1.4. Describe and reproduce the Neurorehabilitation model CE1.5. Explain the history of neuropsychological rehabilitation, current trends and the future CE1.6. Recognize and explain the most advanced trends in relation to neuroplasticity and brain reorganization CE1.7. Recognize the main pathologies that present with neuropsychological deficit
CE2. Design therapeutic plans from the critical and analytical study of the profiles of neuropsychological affection that are obtained from administration of diagnostic assessment instruments and the interpretation of their results	CE2.1. Interpret neuroimaging techniques CE2.2. Interpret neuropsychological techniques CE2.3. Distinguish and relate the profile of psychometric deficit with the alterations of functionality and participation to formulate therapeutic objectives CE2.4. Distinguish the indications and select the specific batteries and tests depending on the problem and the person to be evaluated, considering the methodological limitations CE2.6. Design and plan the organization of neuropsychological exploration CE2.7. Describe the methodological system to prepare the neuropsychological reports
CE4. Evaluate the impact of therapeutic interventions on the functions treated specifically	CE4.2. Discuss the expected results of Neuropsychological Rehabilitation and Cognitive Stimulation CE4.3. Analyze and discuss results based on evidence

General / transversal competences

- CGT1. Apply critical, logical and creative thinking at work
- CGT2. Demonstrate respect for diversity and ethical commitment
- CGT3. Work in multidisciplinary teams sharing knowledge in a responsible manner
- CGT5. Review and analyze the scientific literature
- CGT7. Relate knowledge with professional practice
- CGT8. Demonstrate self-learning skills

Teaching methodology

The methodological approach of the module starts from considering the student as the protagonist of his teaching-learning process. The student must be active and autonomous throughout the process and the teacher gives support by providing the information and resources necessary for the learning to take place.

The module is presential and the methodology in class is of presentations with audiovisual support, workshops, and group work. Through the platform e-learning-Guttman, the student has access, among others, the calendar and class schedules, bibliographic support documentation to maintain contact between the rest of the students and faculty, being able to initiate and / or participate in debates, share documents and information of interest to the group.

Formative activities	ECTS	Teaching-learning methodology	Competences
DIRECTED ACTIVITIES			
	2.8	Theoretical classes as ICT Simulation workshop	CE1, CE2, CE4 CT1, CT3
SUPERVISED ACTIVITIES			
	1.2	Tutorial Discussion of scientific literature	CE2, CE4 CT2, CT5
AUTONOMOUS ACTIVITY			
	5.6	Reading of scientific texts / articles Writing of works Autonomous study	CE1, CE4 CT1, CT5, CT8
EVALUATION ACTIVITIES			
	0.4	Theoretical and practical tests	CE1, CE2, CE4 CT1, CT3, CT7

Competences evaluation

To show the level of mastery achieved in the acquisition and development of the module's competences, the evaluation process will be carried out continuously and will consist of the following activities:

- Multiple choice test week 1 (access will be activated at the end of the first week of the module): Test consisting of questions with four possible answers (options); where only one is correct. Constitutes 25% of the module grade
- Abstract of a scientific article (access will be activated during the first week of the module): The student must write an abstract in Catalan, Spanish or English of one of the two proposed articles. The abstract will have the following structure: 1) Objective, 2)

Methodology, 3) Results and 4) Conclusions. The maximum length of the abstract will be 250 words. Constitutes 20% of the module grade.

- Multiple choice test week 2 (access will be activated at the end of the second week of the module): Test consisting of questions with four possible answers (options); where only one is correct. Constitutes 25% of the module grade
- Synthesis test (access will be activated at the end of the second week of the module). It will consist of two open questions: Open questions about the contents of the module that you will have to develop. To answer these questions, you must have attended class, as well as having reviewed the bibliography recommended by the teachers that has taught the subject. The maximum length of each of the answers cannot exceed two pages on one side only.

You Will find the evaluation criteria defined in the rubrics that Will be published on the teaching platform.

- Attendance to the classes will be considered. To have the right to take the exams, we ask for a minimum attendance of 80% of the module.
- The score scale is from 1 to 10, with 5 being the minimum grade to pass.
- If the student doesn't present the evidences of learning or you have not attended the minimum number of hours of programmed activities of the module (80%), the subject will be "not evaluable".

Programming of the evaluation activities

The evaluation tests will be delivered through the Guttman e-learning platform. Delivery times are as follows:

- Multiple choice test week 1: There will be 10 calendar days from the last day of class of the first theoretical week of the module.
- Multiple choice test week: There will be 10 calendar days from the last day of class of the second theoretical week of the module.
- Synthesis test: There will be 16 calendar days from the last day of class of the second theoretical week of the module.
- Abstract of a scientific article: It will be delivered together with the synthesis test (maximum 16 calendar days from the last day of the module class).

Qualification review process

If the student wants to review the exam, they can request it by email to the module coordinator (with copy to the teaching department).

Procedure and recovery criteria

Recovery is a process that will be put into operation once the period of publication of the module's final grades has ended.

You can choose if throughout the continuous evaluation you have made evidence with weight equal to or greater than 2/3 of the total score and you have obtained an average grade of the module between 3.5 and 4.9 points.

This will consist of a written test recovery of the evidence of learning in which you have not shown a satisfactory performance. Specifically, it will consist of a writing of a work (maximum 1.500 word, including bibliographical references) of a topic that will be determined by the module coordinator.

The maximum grade that can be obtained in the recovery is 5.

The module web

In the web of each module you Will find information of interest for the follow-up of the study:

- Forum of the module. Through this space you can keep in touch with the teachers or among the other students, to provide suggestions, answer questions, etc.
- News. It is the space from where you Will receive news and announcements about the evolution of the module.
- Programs. The module can be downloaded in PDF format, indicating the subjects, schedules and the teaching staff.
- Documentation. Here you Will find information and bibliography of interest that you can consult for the later study of the topics.
- Evaluation of competences. In this space you Will find all the necessary information and the delivery dates of the evaluation that will be done for this module

Satisfaction surveys

- Teacher evaluation. Daily, at the end of the classes, you Will receive an email (on your computer or on your mobile) that Will link you to a brief satisfaction questionnaire about the teachers that have taught that day. The objective of these surveys is to collect your opinion that will be a great help for the improvement of this module. The surveys are **anonymous**.
- Module evaluation. Also, at the end of the course you can answer the general evaluation survey of the module. The surveys are **anonymous**.

Coordination

For any aspect of the organization and planning of the module you can contact

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