STUDENT GUIDE
MODULE:
NEUROPSYCHOLOGICAL REHABILITATION STRATEGIES AND COGNITIVE STIMULATION IN PATHOLOGIES WITH NEUROPSYCHOLOGICAL AFFECTATION

Coordinator:
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UAB Code: 42195
Modality: mandatory
10 ECTS

Presential classes:
2nd semester of the 2022-2023 academic year
From January 16th to 20th and from February 13th to 17th, 2023
Schedule: from 9 a.m. to 5 p.m. with one hour for lunch

Objective

The proposal of this module is to provide knowledge on the mechanisms of cortical reorganization in mental pathologies, mild cognitive impairment, dementias in the child population. New technologies in diagnostic evaluation of behavioral and emotional disorders. Strategies of approach from a neurobiological, psychobiological and social perspective. Planning of cognitive intervention programs in monitoring results.

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	CE1.22. Recognize the anatomical structures of behavior and emotion and their functional integration in physiological and pathological conditions CE1.23. Analyze and explain the main rehabilitation theories in behavior and emotion disorders CE1.24. Describe the neuroanatomical and functional development of mental pathologies CE1.25. Identify and explain psychiatric disorders in neurological patients CE1.26. Analyze and explain the main theories of mental health rehabilitation CE1.27. Explain in detail the development of the central nervous system CE1.28. Recognize and define the neuro-pediatric pathologies that present with neuropsychological involvement CE1.29. Analyze and explain the main theories of neuropsychological rehabilitation in childhood CE1.30. Identify the anatomical structures of dementias and their functional integration in conditions of pathology CE1.31. Indicate the fundamental and advances aspects of the Neuropsychology of aging CE1.32. Review and argue the differential neurobiological studies of dementias
CE2. Design therapeutic plans from the critical and analytical study of the profiles of neuropsychological affection that are obtained from administration of	CE2.23. Select and administer techniques for the evaluation and analysis of behavior and emotion disorders CE2.24. Identify the assessment tool for mental health disorders, interpret results and design therapeutic plans CE2.26. Select and administer evaluation and analysis techniques in child neuropsychology

diagnostic assessment instruments and their interpretation of their results	CE2.27. Manage and interpret diagnostic assessments of cognitive impairment and design of personalize therapeutic plans
CE3. Use current cognitive intervention strategies	CE3.10. Indicate strategies and intervention techniques for the neuropsychological rehabilitation of behavior and emotion disorders CE3.11. Distinguish the therapeutic actions of neuropharmaceuticals in behavior disorders and emotion CE3.12. Describe and relate the main interventions to the family and environment of the patient with brain injury CE3.13. Describe intervention strategies and techniques for the neuropsychological rehabilitation of mental disorders CE3.14. Distinguish the therapeutic actions of psychotropics drugs in mental health disorders CE3.15. Select and practice therapeutic strategies and intervention techniques used in child neuropsychology CE3.16. justify current knowledge and identify the therapeutic actions of neuropharmaceuticals used in childhood CE3.17. Describe the main support interventions in the family and school of the child population CE3.18. Explain the techniques of cognitive stimulation in the patient with dementia CE3.20. Describe the main support intervention in the family environment and the environment of the patient with dementia
CE4. Evaluate the impact of therapeutic interventions on specifically treated functions	CE4.4. Assess and determine the impact of brain injury on the family CE4.5. Analyze and explain the capacity for change in different socio-family situations

General / transversal competencies

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
CGT6. Incorporate work methodologies
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-Guttmann, 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**	**Competencies**
DIRECTED ACTIVITIES			
	2.8	Theoretical classes as ICT Simulation workshop	CE1, CE2, CE3 CT1, CT2
SUPERVISED ACTIVITIES			
	1.2	Seminars Practical application workshops Tutorial	CE1, CE2, CE3, CE4 CT3, CT6
AUTONOMOUS ACTIVITY			
	5.6	Reading of scientific texts / articles Writing of works Autonomous study	CE1, CE2, CE3 CT5, CT8
EVALUATION ACTIVITIES			
	0.4	Theoretical and practical tests	CE1, CE2, CE3, CE4 CT1, CT6, 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 Guttmann 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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