Universitat de Lleida

DEGREE CURRICULUM

NEUROPSYCHOLOGY OF OLD AGE

Coordination: CARNES I VENDRELL, ANNA

Academic year 2023-24

NEUROPSYCHOLOGY OF OLD AGE 2023-24

Subject's general information

<table>
<tr><td>Subject name</td><td>NEUROPSYCHOLOGY OF OLD AGE</td></tr>
<tr><td>Code</td><td>14808</td></tr>
<tr><td>Semester</td><td>2nd Q(SEMESTER) CONTINUED EVALUATION</td></tr>
<tr><td>Typology</td><td>
<table>
<tr><th>Degree</th><th>Course</th><th>Character</th><th>Modality</th></tr>
<tr><td>Master's Degree in Neuropsychology</td><td>1</td><td>OPTIONAL</td><td>Blended learning</td></tr>
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<tr><td>Course number of credits (ECTS)</td><td>6</td></tr>
<tr><td>Type of activity, credits, and groups</td><td>
<table>
<tr><th>Activity type</th><th>PRAULA</th><th>TEORIA</th></tr>
<tr><th>Number of credits</th><td>1.4</td><td>4.6</td></tr>
<tr><th>Number of groups</th><td>1</td><td>1</td></tr>
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<tr><td>Coordination</td><td>CARNES I VENDRELL, ANNA</td></tr>
<tr><td>Department</td><td>PSYCHOLOGY, SOCIOLOGY AND SOCIAL WORK</td></tr>
<tr><td>Important information on data processing</td><td>Consult this link for more information.</td></tr>
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NEUROPSYCHOLOGY OF OLD AGE 2023-24

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
ARQUE FUSTE, GLORIA	gloria.arque@udl.cat	0	
CARNES I VENDRELL, ANNA	anna.carnes@udl.cat	6	To be agreed by email. They can be in person and/or online.

Learning objectives

Search, analyze and use updated information in neuropsychology through scientific literature, showing critical thinking. Formulate working hypothesis in research and clinical practice in the field of neuropsychology applying the scientific method. Acquire the ability to choose the best option to act on a case-by-case basis, following a scientifically grounded systematic process and assuming responsibility for the consequences of decisions typical of the professional practice of neuropsychology.

Competences

Demonstrate a theoretical knowledge of the functioning of the brain and the basis of neuropsychology. Develop an appropriate neuropsychological examination plan to achieve a correct diagnosis and prognosis based on evidence. Perform a neuropsychological examination adapted to the type of patient according to age and other relevant characteristics. Design, apply and evaluate comprehensive neuropsychological rehabilitation plans adapted to the characteristics of the patients.

Subject contents

1.Introduction to the neuropsychology of old age. Healthy cognitive aging and pathological cognitive aging. The continuum between normal and pathological aging: cognitive impairment associated with age, subtle cognitive impairment, mild cognitive impairment and dementia.

2.Neurodegenerative diseases. Alzheimer's Disease, Vascular Dementia, Dementia with Lewy Bodies, Frontotemporal Dementia, Dementia associated with Parkinson's disease, Posterior Cortical Atrophy, Dementia associated with alcoholism, and other dementias.

3.Prevention and evaluation of dementias. Risk and protective factors in dementia. Cognitive reserve. Psychological and behavioral symptoms in dementia. Aspects to take into account in the neuropsychological assessment in dementia (cognitive, emotional, behavioral and functional).

4.Neuropsychological intervention in dementia. Characteristics of the intervention, differences between rehabilitating, stimulating and training, neuropsychological intervention in dementia and mild cognitive impairment, neuropsychological intervention with family members, ethical and legal difficulties in people with dementia.

Methodology

1. Online master classes. 2. Critical reading and analysis of documents. 3. Online discussion and discussion forum. 4. Preparation of reports / works. 5. Case study. 6. Individual work. 7. Practices

Development plan

The student must be able to: • Discriminate between neuropsychological theories of cognitive impairment associated with age. • Identify symptoms of cognitive impairment associated with dementias. • Plan an intervention taking into account the characteristics of aging. • Perform an appropriate neuropsychological evaluation adapted to the patient's age. • Search effectively for scientific information that supports knowledge. • Critically analyze the scientific information found.

Evaluation

BLOCK 1: Activities of topic 1 (25%)

- Assessment activity 1: Myths and realities about cognitive impairment - face-to-face - (15%)

- Assessment activity 2: Critical reading of a scientific article -online- (10%)

BLOCK 2: Theme 2 activities (25%)

- Assessment activity 1: Identification of dementia profiles based on real cases - face-to-face - (15%)

- Assessment activity 2: Search for scientific articles -online- (10%)

BLOCK 3: Theme 3 activities (25%)

- Assessment activity 1: Assessment of a real or fictitious case - face-to-face - (15%)

- Assessment activity 2: Analysis of a film -online- (10%)

BLOCK 4: Activities of topic 4 (25%)

- Assessment activity 1: Role-playing family intervention -face-to-face- (15%)

- Assessment activity 2: Schedule a cognitive stimulation session with NeuronUP -online- (10%)

The final mark is the sum of the mark of the four blocks. A minimum of 5 points is required to pass the subject.

In order to pass the subject and make the sum of the grade of the four blocks, the student must have done at least 3 of the 4 face-to-face assessment activities.

Bibliography

Bruna, O. Signo, S. y Molins. M (2018). *Intervención neuropsicológica en los trastornos neurodegenerativos*. Madrid: Síntesis.

Deus-Yela J, Devi Bastida J, Sáinz Pelayo MdP. (2018). Neuropsicología de la Enfermedad de Alzheimer. Madrid: Síntesis.

Junqué C. y Barroso J. (2009). *Manual de neuropsicología.* Madrid: Síntesis.

Tirapu Ustárroz J., Ríos Lago M. y Maestú Unturbe F. (2011). *Manual de Neuropsicología. 2ª edición.* Barcelona: Viguera.

Tirapu Ustárroz J, García Molina A., Ríos Lago M. y Ardila Ardila A. (2012). *Neuropsicología de la corteza prefrontal y las funciones ejecutivas.* Barcelona: Viguera.

In addition, at the end of each subject, a compulsory and complementary bibliography is provided.