# ADULT CINICAL NEUROPSYCHOLOGICAL ASSESSSMENT: EXECUTIVE FUNCTIONS AND ATTENTION

## 1. GENERAL

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|---|---|---|---|
| **SCHOOL** | SCHOOL OF SOCIAL SCIENCES | | |
| **ACADEMIC UNIT** | PSYCHOLOGY | | |
| **LEVEL OF STUDIES** | Undergraduate | | |
| **COURSE CODE** | Ψ-4402 | **SEMESTER** | 6th |
| **COURSE TITLE** | **ADULT CINICAL NEUROPSYCHOLOGICAL ASSESSSMENT: EXECUTIVE FUNCTIONS AND ATTENTION** | | |
| **COURSE INSTRUCTOR** | **Stella Giakoumaki**<br>Associate Professor of Clinical Neuropsychology | | |
| **INDEPENDENT TEACHING ACTIVITIES** | | **WEEKLY TEACHING HOURS** | **CREDITS** |
| Lectures, case studies, administration and scoring of neuropsychological tasks | | **3** | **6** |
| **COURSE TYPE** | Skills development | | |
| **PREREQUISITE COURSES:** | Methodology of scientific research in social sciences I | | |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS:** | Greek | | |
| **IS THE COURSE OFFERED TO ERASMUS STUDENTS** | NO | | |
| **COURSE WEBSITE (URL)** | https://elearn.uoc.gr/course/view.php?id=79 (Password required) | | |

## 2. LEARNING OUTCOMES

**Learning outcomes**

The aim of the course is a) the in depth study of classical theories of executive functions and attention and b) training in the administration and scoring of related neuropsychological tasks and comparisons with normative data.

Upon successful completion of the course students are expected

- To have acquired the theoretical background of executive functions and attention
- To have sufficient training in the administration and scoring of related neuropsychological tasks
- To be able to interpret and present efficiently the results of the assessment

**General Competences**

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Decision-making
- Working independently
- Team work

- Production of new research ideas
- Respect for difference and multiculturalism
- Criticism and self-criticism
- Showing social, professional and ethical responsibility and sensitivity to gender issues
- Production of free, creative and inductive thinking

## 3. SYLLABUS

- Theoretical background of executive functions and attention
- Administration of the following tasks/batteries assessing executive functions
  - Wisconsin Card Sorting test
  - Behavioural Assessment of the Dysexecutive Syndrome (BADS)
  - CANTAB Executive Function tasks
  - Iowa Gambling task
  - Stroop Colour-Word test
  - Delis-Kaplan Executive Function System (D-KEFS)
  - Verbal and category fluency test
- Administration of the following tasks/batteries assessing attention
  - CANTAB Attention tasks
  - Trail Making test
  - Continuous Performance tests
  - Modified Taylor Complex Figure test
  - Ruff 2 & 7 Selective Attention Test
  - Span of apprehension test
- Interpretation of the findings and preparation of clinical report

## 4. TEACHING and LEARNING METHODS - EVALUATION

<table>
<tr><td>DELIVERY.</td><td>Face-to-face</td></tr>
<tr><td>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</td><td>Lectures using ICT<br>Presentations of case studies<br>Communication with students and delivery of all course material via the e-learn platform</td></tr>
<tr><td>TEACHING METHODS</td><td>
<table>
<tr><th>Activity</th><th>Semester workload</th><th>ECTS</th></tr>
<tr><td>Lectures/Practice in the administration and scoring of the tasks in groups</td><td>39</td><td>1,56</td></tr>
<tr><td>Individual practice in the administration and scoring of the tasks</td><td>45</td><td>1,8</td></tr>
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| | Administration and scoring of the tasks and preparation of one clinical report | 40 | 1,6 |
| | Personal study | 30 | 1,2 |
| | Course total | ***154*** | ***6,16*** |

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| **STUDENT PERFORMANCE EVALUATION** | Language of evaluation: Greek.<br><br>I. Administration/scoring of the tasks and preparation of one clinical report (50%)<br>II. Written exams (50%)<br><br>The evaluation criteria are given during the first lecture of the course and are constantly accessible to students via the website of the course. |

## 5. ATTACHED BIBLIOGRAPHY

*- Suggested bibliography:*


- Lezak, M.D. (2009). *Neuropsychological assessment* (Greek edition, Editors: L. Messinis, M. Kosmidis, P. Papathanasopoulos). Patras: Gotsis Publications.
- Hebben, N., Milberg, W. (2002). *Essentials of neuropsychological assessment*. Wiley.
- Strauss, E., Sherman, E.M.S., Spreen, O. (Eds). (2006) *A compendium of neuropsychological tests* (3rd ed.). Oxford University Press.-


*Related academic journals:*

- Neuropsychologia
- Neuropsychology