

BEHAVIOURAL AND CLINICAL NEUROLOGY

(1) GENERAL

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| SCHOOL | HEALTH SCIENCES | | |
| ACADEMIC UNIT | SPEECH AND LANGUAGE THERAPY | | |
| LEVEL OF STUDIES | Undergraduate Programm (level 6) | | |
| COURSE CODE | slt – 55 | SEMESTER | 5 |
| COURSE TITLE | Behavioural and Clinical Neurology | | |
| INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i> | | WEEKLY TEACHING HOURS | CREDITS |
| Lectures | | 2 | 4 |
| Applied practice | | 1 | |
| COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i> | specialised general knowledge | | |
| PREREQUISITE COURSES: | | | |
| LANGUAGE OF INSTRUCTION and EXAMINATIONS: | Greek & English | | |
| IS THE COURSE OFFERED TO ERASMUS STUDENTS | Yes | | |
| COURSE WEBSITE (URL) | https://moodle.ioa.teiep.gr | | |

(2) LEARNING OUTCOMES

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| <p>Learning outcomes <i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.</i></p> <p><i>Consult Appendix A</i></p> <ul style="list-style-type: none"> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i> |
| <p>This course is the basic course in the pathophysiology and clinical description of the diseases of the human nervous system. It gives special emphasis in diseases affecting behaviour and communication.</p> <p>Upon successful completion of the course students will be able to:</p> <ul style="list-style-type: none"> - Gain basic knowledge of the diagnostic approach of a patient with neurological disease and know the basic principles of topical diagnosis in Neurology (levels 1&2:knowledge/rememebering&understanding). - Understands and describes the basic principles of diseases like cerebrovascular diseases, epilepsies and neurodegenerative diseases (levels 1&2:knowledge/rememebering&understanding). - Distinguish and recognize the basic paraclinical tests in use for the investigation of diseases of the nervous system – functional, neuroimaging and functional |

- neuroimaging (levels 2-6: understanding, applying, analyzing, creating & evaluating)
- Be aware of deviations in behaviour linked to neurological diseases and recognize basic neuropsychiatric and behavioural syndromes (levels 2-6: understanding, applying, analyzing, creating & evaluating)
- Be aware and work/collaborate with other students and experts in evaluation of behavioural and neurocognitive disorders (levels 3-6: applying, analyzing, creating & evaluating).

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

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| <i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> | <i>Project planning and management</i> |
| <i>Adapting to new situations</i> | <i>Respect for difference and multiculturalism</i> |
| <i>Decision-making</i> | <i>Respect for the natural environment</i> |
| <i>Working independently</i> | <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> |
| <i>Team work</i> | <i>Criticism and self-criticism</i> |
| <i>Working in an international environment</i> | <i>Production of free, creative and inductive thinking</i> |
| <i>Working in an interdisciplinary environment</i> | <i>.....</i> |
| <i>Production of new research ideas</i> | <i>Others...</i> |
| | <i>.....</i> |

- *Search for analysis and synthesis of data and information, with the use of the necessary technology*
- *Adapting to new situations*
- *Decision-making*
- *Working independently*
- *Team work*
- *Working in a interdisciplinary environment*
- *Production of new research ideas*

(3) SYLLABUS

- I. History taking, neurological examination and topical diagnosis in Neurology
- II. Basic paraclinical test for the investigation of nervous system diseases
- III. Cerebrovascular disease
- IV. The epilepsies – epilepsy and behaviour
- V. Aging, Alzheimer’s disease and other major neurocognitive disorders (dementias)
- VI. Parkinson’s disease – motor neuron diseases
- VII. Multiple sclerosis
- VIII. Behavioural neuroanatomy, association cortex, large scale brain networks
- IX. Neuropsychological evaluation of mental status. Use of tools for evaluation of higher brain functions and communication disorders
- X. Frontal lobe syndromes
- XI. Parietal lobe syndromes
- XII. Disorders of complex visual processing

(4) TEACHING and LEARNING METHODS - EVALUATION

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| DELIVERY <i>Face-to-face, Distance learning, etc.</i> | “Face-to-face” in class |
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| <p>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</p> <p><i>Use of ICT in teaching, laboratory education, communication with students</i></p> | <p>Use of audio-visual methods (i.e. powerpoint presentations)</p> <p>Support of learning process through the e-class platform</p> | | | | | | | | | | | | | | | |
|--|--|--|-----------------|--------------------------|----------|----|------------------|----|---------------------------|----|------------|----|---------------------------|----|--------------|------------|
| <p>TEACHING METHODS</p> <p><i>The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i></p> <p><i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i></p> | <table border="1"> <thead> <tr> <th data-bbox="647 273 979 304">Activity</th> <th data-bbox="986 273 1308 304">Semester workload</th> </tr> </thead> <tbody> <tr> <td data-bbox="647 309 979 340">Lectures</td> <td data-bbox="986 309 1308 340">26</td> </tr> <tr> <td data-bbox="647 344 979 376">Applied practice</td> <td data-bbox="986 344 1308 376">13</td> </tr> <tr> <td data-bbox="647 380 979 452">Teamwork research project</td> <td data-bbox="986 380 1308 452">20</td> </tr> <tr> <td data-bbox="647 456 979 488">Placements</td> <td data-bbox="986 456 1308 488">10</td> </tr> <tr> <td data-bbox="647 492 979 564">Personal study/evaluation</td> <td data-bbox="986 492 1308 564">43</td> </tr> <tr> <td data-bbox="647 568 979 600">Course total</td> <td data-bbox="986 568 1308 600">100</td> </tr> </tbody> </table> | | Activity | Semester workload | Lectures | 26 | Applied practice | 13 | Teamwork research project | 20 | Placements | 10 | Personal study/evaluation | 43 | Course total | 100 |
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| Course total | 100 | | | | | | | | | | | | | | | |
| <p>STUDENT PERFORMANCE EVALUATION</p> <p><i>Description of the evaluation procedure</i></p> <p><i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i></p> <p><i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i></p> | <p>I. Written final exam (80%) consisting of :</p> <ul style="list-style-type: none"> - multiple choice questions - short answer questions - critical view of theory - clinical case <p>III. Teamwork Research (20%)</p> <p>The final exams will be offered in Greek & English</p> | | | | | | | | | | | | | | | |

(5) ATTACHED BIBLIOGRAPHY

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| <p>- Suggested bibliography:</p> <ol style="list-style-type: none"> 1. Νάσιος, Γ.(2011). <i>Αρχές Συμπεριφορικής και Γνωσιακής Νευρολογίας</i>. Μ.Μ.-Mesulam, Επιμέλεια Ελληνικής Εκδόσεως. Ιατρικές Εκδόσεις Πασχαλίδης. 2. «Νευρολογία για λογοθεραπευτές». Επιστημονική επιμέλεια Γρηγορίου Νάσιου (2013), Εκδόσεις Ρόδων. 3. KarlF. Masuhr, Marianne Neumann : Νευρολογία, 6η έκδοση (Επιμέλεια ελληνικής εκδόσεως Νικόλαος Δ. Βλαϊκίδης, Εκδόσεις «Ροτόντα»). |
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4. M.M. Mesulam (2000). Principles of Behavioral and Cognitive Neurology, 2nd Edition (ISBN-13: 978-0195134759).

5. Hadi Manji, Seán Connolly, Neil Kitchen, Christian Lambert, and Amrish Mehta. Oxford Handbook of Neurology (2 ed.), Oxford University press (ISBN-13: 9780199601172).

- *Related academic journals:*

- Behavioral Neurology (<https://www.hindawi.com/journals/bn/>)
- Cognitive and Behavioral Neurology
- Neuropsychiatry, neuropsychology, and behavioral neurology (<https://journals.lww.com/cogbehavneurol/>)