

COURSE SYLLABUS

Semmelweis University Faculty of Dentistry, Dentistry

Name of the course: Neurology

Credit value: 1/semester

Lessons (in hours in the whole semester): 14 **from this, lectures:** 14 **practicals:** **seminars:**

Type of the course: compulsory obligatory elective elective

Semester in which it is announced according to the curriculum: In the 1st semester of the given school year 1st semester.

Frequency of announcement (per semester or year): yearly

The responsible educational and research organizational unit for teaching the subject: Department of Neurology

Academic year: 2024/2025

Subject (Neptun) code: FOKVNEU079 _1A

Lecturer of the course: Prof. Daniel Bereczki

Academic position: DSc

Contact: Department of Neurology, Semmelweis University 06-1-210-0337

The goals and place of the course in regards to the education of dental students in dentistry:

Introduction to neurological symptoms and neurological patient examination. Basic description of the most common neurological diseases.

Location of the course (address of lecture hall, seminar room etc.):

Department of Neurology, 1st floor, Classroom

Competences acquired by completion of the course:

Basic knowledge of neurological diseases, basic patient examination.

Pre-study requirements and prerequisites of course registration and completion, in case of a multi-semester subject, the standpoint of the educational-research unit on the concurrent subject registration and on the requirements of permission thereof :

Macroscopic anatomy and embryology I-II. Neurology is a one-semester course.

Number of students required for announcement of course (min., max.), method of selection:

The course is obligatory elective compulsory and there is no minimum or maximum number of students.

Method of course registration:

Via the NEPTUN system.

Detailed course/lecture description¹ : (to facilitate credit recognition in other institutions)

1. Cranial nerves and the brainstem
2. Examination of the cranial nerves
3. The motor system
4. The sensory system and headaches
5. Examination of the motor system
6. Examination of the sensory system
7. Diagnosis and treatment of cerebrovascular disorders
8. Patient demonstration-cerebrovascular disorders
9. Inflammatory disorders and tumors of the nervous system
10. Movement disorders

11. Patient demonstration-movement disorders
12. Epilepsy
13. Neuroimmunology, Multiple sclerosis
14. Patient demonstration-multiple sclerosis

Courses (*compulsory and obligatory elective*) which in part or entirely overlap the topics of above course:

None

Special academic work required for completion of the course²:

There is no such requirement.

Attendance on practices and lectures, replacement in case of missed sessions:

Attendance at the lectures is optional, but recommended, as the end-of-semester colloquium questions are closely based on the information presented in the lectures.

Method of checking acquired knowledge during the study period³:

There aren't additional exams during the semester. Mid-year assessment: at the end of each lecture, three test questions must be answered in person.

Requirements of an accepted semester (*signature of the lecturer*):

Registration for the course in the Neptun system., 80% of the test questions at the end of the lecture must be completed with at least 50% success.

Type of the exam:

Colloquium. Topic: the material of the lectures given during the semester. All students are required to take a written test, which is passed if they pass 60%. An oral test must be taken after a failed test. Students who have attended 75% (it should be documented) of the lectures can choose between an oral and a written colloquium exam.

Requirements of the exam³:

Written exam: 30 simple-choice test questions. The test must be written in person, in the classroom of the Neurological Clinic, at the time announced.

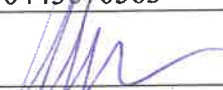

In the case of an oral retake exam, 1 item from the list below should be selected and summarized for the examiner.

Exam questions:

1. Structure of the nerve pathway responsible for smell and vision, symptoms of their damage
2. The function of the cranial nerves that move the eyes
3. N. trigeminus
4. N. facialis
5. Function of lower cranial nerves (VIII-XII.).
6. Organization of the motor system
7. Peripheral and central paresis
8. Structure of the sensory system
9. Causes of cerebral ischemia
10. Treatment of cerebral ischemia
11. Cerebral hemorrhages
12. Diagnosis and treatment of strokes
13. Inflammatory nervous system diseases
14. Tumor diseases of the nervous system
15. Parkinson's disease and other Parkinson's syndromes
16. Movement disorders with hyperkinesia
17. Classification of epilepsies
18. Differential diagnosis of symptoms associated with loss of consciousness
19. Multiple sclerosis
20. Neuroimmunological disorders

Grading of courses⁴. The possibility and requirements of an offered grade:

Those students who do not take advantage of the opportunity to attend the lectures take a written test, which is passed if 60% is achieved (grading: 1-5). If someone fails, a second oral exam can be taken (grading: 1-5). Students who have attended 75% of the lectures can also choose an oral exam (grading: 1-5). Offered grade is not an option, as there is no mid-year assessment.

<p>Exam registration: Registration is needed through the NEPTUN system for the test exam. Oral examinations can be taken in case of absence from the test examination, several dates will be given in the NEPTUN system if necessary.</p>
<p>Rules of repeating exams: It is possible to correct the grade in an oral exam, at times announced in the NEPTUN system.</p>
<p>List of textbooks, lecture notes and recommended textbooks, online material: Basic reading: <ul style="list-style-type: none"> • Fuller G. Neurological Examination Made Easy (3rd edition) Churchill Livingstone, Published April 2004. ISBN 0443074208 • E-learning Suggested reading: <ul style="list-style-type: none"> • Lindsay K., Bone I., Callender R.: Neurology and Neurosurgery Illustrated., 4th edition Churchill Livingstone – Published February 2004. ISBN 0443070563 </p>
<p>Signature of course lecturer:</p> 
<p>Signature of head of department: Prof. Dr. Dániel Bereczki</p> 
<p>Date of submission: 12th of June, 2024.</p>
<p>Opinion of OKB:</p>
<p>Notes from the Dean's Office:</p>
<p>Signature of Dean:</p>



¹ Detailed and numbered for each week of theoretical and practical lessons one by one. In an annex, cannot be attached appendix!

² Eg. homework, report, midterm exam etc. Topics, dates, method of retake and replacement

³ List of topics in case of theoretical exam, thematic and method in case of practical exam

⁴ Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.

