

**University of Mostar, Faculty of Medicine**  
**Medical Study in English**

**Course in Neurology**

**Course leader: Ass. Prof. Nataša Pejanović-Škobić, MD, PhD**

**Academic Year: 2025/2026**

***September 29 – October 21, 2025.***

### **I. COURSE AIMS:**

- To learn the meaningful approach to the case history, neurological status and clinical way of making a decision in neurology
- To encourage the independent gaining of knowledge
- To learn how to present patients verbally
- To prepare concise and clear neurological medical findings
- To learn how to carry out the neurological status and how to differentiate normal findings and neurological disturbances
- To learn how to localise the site of lesion in the central nervous system which could cause the patient's symptoms and signs
- To learn how to formulate the differential diagnosis
- To learn how to perform lumbar puncture
- To learn how to order and interpret findings of usual examinations which are being used in diagnostics of neurological diseases
- To understand the principles of treatment of the most frequent neurological disorders

### **II. LOCATIONS:**

Lectures will take place at the Faculty of Medicine University of Mostar, Bijeli brijeg bb, 88000 Mostar

Seminars will take place at the Faculty of Medicine University of Mostar, Bijeli brijeg bb, 88000 Mostar

Practicals will be held in the Division of the Clinic of Neurology or in the laboratories of the Clinic of Neurology, University Clinical Hospital Mostar, Bijeli brijeg bb, 88000 Mostar

### **III. COURSE STRUCTURE:**

Total: 90 hours

lectures (L): 24 hours

seminars (S): 25 hours

practicals (P): 41 hours

#### IV. MEDICAL STUDY IN ENGLISH: NEUROLOGY - COURSE SCHEDULE 2022-2023

Date	Title	Time	Topic	Hrs	Lecturer	Place
<b>Monday 29.09.2025.</b>	L1	09.00-10.30	Introduction	2	Nataša Pejanović-Škobić	MEF
	S1	10.35-11.20	Case history of neurological patient	1	Nataša Pejanović-Škobić	MEF
	S2	11.25-12.10	Examination of neurological patient - Cranial nerves	1	Nataša Pejanović-Škobić	MEF
	P1	12.30-14.00	<b>Practicals</b>	2	Lecturers and assistants	Clinic of Neurology
<b>Tuesday 30.09.2025.</b>	L2	09.00-10.30	Functional neuroanatomy	2	Nikolina Pravdić	MEF
	S3	10.35-11.20	Examination of neurological patient – Motor system	1	Davor Batinić	MEF
	S4	11.25-12.10	Examination of neurological patient - Sensory system	1	Davor Batinić	MEF
	P2	12.30-14.00	<b>Practicals</b>	2	Lecturers and assistants	Clinic of Neurology
<b>Wednesday 01.10.2025.</b>	L3	09.00-10.30	Cerebrovascular disorders	2	Marija Bender	MEF
	S5	10.35-11.20	Cerebrovascular disorders - clinical picture	1	Marija Bender	MEF
	P3	11.30-13.45	<b>Practicals</b>	3	Lecturers and assistants	Clinic of Neurology
<b>Thursday 02.10.2025.</b>	L4	09.00-10.30	Headache and cranial neuralgias	2	Nataša Pejanović-Škobić	MEF
	S6	10.35-11.20	Emergency neurology	1	Sandra Lakičević	MEF
	P4	11.30-13.00	<b>Practicals</b>	2	Lecturers and assistants	Clinic of Neurology
<b>Friday 03.10.2025.</b>	L5	09.00-10.30	Central nervous system tumors	2	Inge Klupka-Sarić	MEF
	S7	10.35-11.20	Paraneoplastic neurologic syndromes	1	Inge Klupka-Sarić	MEF
	S8	11.25-12.10	Intensive care neurology	1	Sandra Lakičević	MEF
	P5	11.30-13.45	<b>Practicals</b>	3	Lecturers and assistants	Clinic of Neurology

<b>Monday 06.10.2025.</b>	L6	09.00-10.30	Brain stem syndromes	2	Vlatko Šulentić	MEF
	S9	10.35-11.20	Vertigo	1	Vlatko Šulentić	MEF
	S10	11.25-12.10	Low back pain	1	Vlatko Šulentić	MEF
	P6	12.30-14.00	<b>Practicals</b>	2	Lecturers and assistants	Clinic of Neurology
<b>Tuesday 07.10.2025.</b>	L7	09.00-10.30	Dementia	2	Vlatko Šulentić	MEF
	S11	10.35-11.20	Clinical picture of patient with dementia	1	Vlatko Šulentić	MEF
	P7	11.30-13.45	<b>Practicals</b>	3	Lecturers and assistants	Clinic of Neurology
<b>Wednesday 08.10.2025.</b>	L8	09.00-10.30	Movement disorders	2	Nikolina Pravdić	MEF
	S12	10.35-11.20	Movement disorders - clinical picture	1	Nikolina Pravdić	MEF
	S13	11.25-12.10	Consciousness and disturbances of consciousness	1	Sandra Lakičević	MEF
	P8	12.30-14.00	<b>Practicals</b>	2	Lecturers and assistants	Clinic of Neurology
<b>Thursday 09.10.2025.</b>	L9	09.00-10.30	Demyelinating disorders	2	Inge Klupka-Sarić	MEF
	S14	10.35-11.20	Treatment of multiple sclerosis	1	Inge Klupka-Sarić	MEF
	P9	11.30-13.00	<b>Practicals</b>	2	Lecturers and assistants	Clinic of Neurology
<b>Friday 10.10.2025.</b>	S15	09.00-10.30	Pain and pain syndromes	2	Nikolina Pravdić	MEF
	S16	10.35-11.20	Neurology and Artificial Intelligence (AI)	1	Davor Batinić	MEF
	P10	11.30-13.00	<b>Practicals</b>	2	Lecturers and assistants	Clinic of Neurology

<b>Monday 13.10.2025.</b>	L10	09.00-10.30	Comma and brain death	2	Nataša Pejanović-Škobić	MEF
	S17	10.35-11.20	CNS infections	1	Marija Bender	MEF
	S18	11.25-12.10	Diagnosis of cerebrospinal fluid	1	Inge Klupka-Sarić	MEF
	P11	12.30-14.00	<b>Practicals</b>	2	Lecturers and assistants	Clinic of Neurology
<b>Tuesday 14.10.2025.</b>	L11	09.00-10.30	Epilepsy and paroxysmal consciousness disorders	2	Nataša Pejanović-Škobić	MEF
	S19	10.35-11.20	Epilepsy - clinical picture	1	Nataša Pejanović-Škobić	MEF
	P12	11.30-13.45	<b>Practicals</b>	3	Lecturers and assistants	Clinic of Neurology
<b>Wednesday 15.10.2025.</b>	S20	09.00-09.45	Localisation in clinical neurology	1	Davor Batinić	MEF
	S21	09.50-10.35	My hardest clinical case	1	Davor Batinić	MEF
	P13	11.00-13.15	<b>Practicals</b>	3	Lecturers and assistants	Clinic of Neurology
<b>Thursday 16.10.2025.</b>	S22	09.00-09.45	Genetics of neurological diseases	1	Nataša Pejanović-Škobić	MEF
	S23	09.50-10.35	Spinal disorders	1	Davor Batinić	MEF
	P14	11.00-13.15	<b>Practicals (Summary)</b>	3	Lecturers and assistants	Clinic of Neurology
<b>Friday 17.10.2025.</b>	L12	09.00-10.30	Neuromuscular disorders	2	Nataša Pejanović-Škobić Davor Batinić	MEF
	S24	10.35-11.20	Neuromuscular disorders – clinical picture	1	Davor Batinić	
	S25	11.25-12.10	Autonomic nervous system disorders - selected topics	1	Nataša Pejanović-Škobić	MEF

<b>Monday 20.10.2025.</b>	P15	12.30-14.00	<i>Practicals (Summary)</i>	2	Lecturers and assistants	Clinic of Neurology
	P16	10.00-10.45	<i>Practicals (Ultrasound)</i>	1	Lecturers and assistants	Clinic of Neurology
	P17	10.50-11.35	<i>Practicals (EEG lab)</i>	1	Lecturers and assistants	Clinic of Neurology
	P18	11.40-12.25	<i>Practicals (EMNG lab)</i>	1	Lecturers and assistants	Clinic of Neurology
<b>Tuesday 21.10.2025.</b>	P19	09.00-10.30	<i>Preliminary examination (practical)</i>	2	Lecturers – examiners	Clinic of Neurology
<b>Wednesday 22.10.2025.</b>	<b>Exam</b>	<b>09.00-14.00</b>	<b>Examination (written + oral)</b>		<b>Lecturers – examiners</b>	<b>MEF</b>

**Practicals:**

P1: Case history of neurological patient

P2: Motor system

P3: Sensation

P4: Cranial nerve I: Olfactory nerve

P5: Cranial nerves II, III, IV, VI: Eye

P6: Cranial nerves V and VII: The face

P7: Cranial nerve VIII: Auditory nerve

P8: Cranial nerves IX, X, XII: The mouth

P9: Cranial nerve XI: Accessory nerve

P10: Gait and coordination

P11: The autonomic nervous system

P12: Speech

P13: Mental state, higher function

P14: Summary of standard neurological examination -1

P15: Summary of standard neurological examination -2

P16: Diagnostic methods in neurology: Ultrasound of the head and neck vessels

P17: Diagnostic methods in neurology: EEG practicals

P18: Diagnostic methods in neurology: EMNG practicals

P19: Preliminary examination – practical exam

## V. EXAMINATIONS:

Students need to prepare actively for participating in seminars and practicals.

Testing of knowledge is done by preliminary exam (examination of the neurological patient), written and oral final exam

Presence on the lectures, seminars and practicals is obligatory. Student can miss only 20% of the selected topics (reasonable grounds).

**Preliminary exam (examination of the neurological patient)** will be held on the last day of the Course.

After finishing the course students have to gather signature of the Course leader / Chair of the Department in Index (before written exam) as prove that they have finished the Course and have prerequisite for the final exam.

**Written exam** consists of multiple choice questions. Passing the written exam is a requirement for approaching the **oral exam**.

The results of the written exam are acknowledged by the end of the ongoing academic year. After that, students have to take the written exam again.

The whole exam should be finished within 5 days after completion of the written exam.

## VI. COURSE GRADES:

Written exam:

45-50 points - excellent (5) - (A)

40-44 points - very good (4) - (B)

34-39 points - good (3) - (C)

28-33 points - satisfactory (2) - (D)

0-27 points - fail (1) - (F)

Oral exam:

excellent (5) - (A); very good (4) - (B); good (3) - (C); satisfactory (2) - (D); fail (1) - (F).

Final course grade is calculated as a mean from final written (30%) and final oral (70%) exam grades.

## VII. REGULAR DATES OF WRITTEN EXAM:

*1st exam term: 22th October 2025*

*2nd exam term: 20th February 2026*

*3rd exam term: 10th July 2026*

*4th exam term: 18th September 2026*



## VIII. LITERATURE:

### Recommended:

Simon RP, Aminoff MJ, Greenberg DA. Clinical Neurology. 10th Edition. New York: Lange Medical Books/McGraw Hill, 2018.

### Supplementary:

Mattle H. Mumenthaler M. Fundamentals of Neurology, An illustrated Guide, Second edition. Thieme, 2017.

Adams AC. Mayo Clinic Essential Neurology. Rochester (2nd edition): Mayo Foundation for Medical Education and Research, 2017.

Fuller G. Neurological Examination Made Easy. Sixth Edition. Elsevier, 2019.

## IX. LIST OF LECTURERS AND TEACHING STAFF

1. Assistant Professor Nataša Pejanović-Škobić, MD, PhD, neurologist – *Course leader*
2. Professor Inge Klupka-Sarić, MD, PhD, neurologist – *Course leader deputy*
3. Professor Nikolina Pravdić, MD, PhD, neurologist - *Secretary of the Course in Neurology*
5. Assistant Professor Marija Bender, MD, PhD, neurologist
6. Assistant Professor Vlatko Šulentić, MD, PhD, neurologist
7. Assistant Davor Batinić, MD, MSc, neurologist
8. Assistant Sandra Lakičević, MD, PhD, neurologist

## X. LIST OF EXAMINERS FOR 2025/2026. ACADEMIC YEAR

1. Assistant Professor Nataša Pejanović-Škobić, MD, PhD, neurologist
2. Professor Inge Klupka-Sarić, MD, PhD, neurologist
3. Professor Nikolina Pravdić, MD, PhD, neurologist

**Course leader:**  
**Ass. Prof. Nataša Pejanović-Škobić, MD, PhD**