

University of Mostar, Faculty of Medicine

Medical Study in English

Course in Neurology

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

Academic Year: 2026/2027

September 29 – October 21, 2026.

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 at 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): 23 hours

practicals (P): 43 hours

IV. MEDICAL STUDY IN ENGLISH: NEUROLOGY - COURSE SCHEDULE 2026-2027

Date	Title	Time	Topic	Hrs	Lecturer	Place
Tuesday 29.09.2026.	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
	L2	11.25-12.55	Functional neuroanatomy	2	Nikolina Pravdić	MEF
	P1	13.00-13:45	Practicals	1	Lecturers and assistants	Clinic of Neurology
Wednesday 30.09.2026.	S2	09.00-09.45	Examination of neurological patient - Cranial nerves	1	Nataša Pejanović-Škobić	MEF
	S3	09.50-10.35	Examination of neurological patient – Motor system	1	Davor Batinić	MEF
	S4	10.40-11.25	Examination of neurological patient - Sensory system	1	Davor Batinić	MEF
	P2	11.30-13.45	Practicals	3	Lecturers and assistants	Clinic of Neurology
Thursday 01.10.2026.	L3	09.00-10.30	Headache and cranial neuralgias	2	Nataša Pejanović-Škobić	MEF
	S5	10.35-11.20	Emergency neurology	1	Sandra Lakičević	MEF
	P3	11.30-13.45	Practicals	3	Lecturers and assistants	Clinic of Neurology
Friday 02.10.2026.	L4	09.00-10.30	Cerebrovascular disorders	2	Marija Bender	MEF
	S6	10.35-11.20	Cerebrovascular disorders - clinical picture	1	Marija Bender	MEF
	P4	11.30-13.45	Practicals	3	Lecturers and assistants	Clinic of Neurology
Monday 05.10.2026.	L5	09.00-10.30	Dementia	2	Vlatko Šulentić	MEF
	S7	10.35-11.20	Clinical picture of patient with dementia	1	Vlatko Šulentić	MEF
	S8	11:25-12:10	Low back pain	1	Vlatko Šulentić	MEF
	P5	12.30-14.00	Practicals	2	Lecturers and assistants	Clinic of Neurology

Tuesday 06.10.2026.	L6	09.00-10.30	Brain stem syndromes, Vertigo	2	Vlatko Šulentić	MEF
	S9	10.35-11.20	Consciousness and disturbances of consciousness Coma	1	Vlatko Šulentić	MEF
	P6	11.30-13.45	Practicals	3	Lecturers and assistants	Clinic of Neurology
Wednesday 07.10.2026.	L7	09.00-10.30	Central nervous system tumors	2	Nataša Pejanović- Škobić	MEF
	S10	10.35-11.20	Intensive care neurology	1	Sandra Lakičević	MEF
	P7	11.30-13.45	Practicals	3	Lecturers and assistants	Clinic of Neurology
Thursday 08.10.2026.	L8	09.00-10.30	Demyelinating disorders of CNS	2	Ilijas Jelčić	MEF
	S11	10.35-11.20	Clinical picture of multiple sclerosis	1	Ilijas Jelčić	MEF
	S12	11.25-12.10	Treatment of multiple sclerosis	1	Ilijas Jelčić	MEF
	P8	12.30-14.00	Practicals	2	Lecturers and assistants	Clinic of Neurology
Friday 09.10.2026.	L9	09.00-10.30	CNS infections	2	Ilijas Jelčić	MEF
	S13	10.35-11.20	Paraneoplastic neurologic syndromes	1	Ilijas Jelčić	MEF
	S14	11.25-12.10	Spinal disorders	1	Ilijas Jelčić	MEF
	P9	12.30-14.00	Practicals	2	Lecturers and assistants	Clinic of Neurology
Monday 12.10.2026.	S15	09.00-09.45	Neurology and Artificial Intelligence (AI)	1	Davor Batinić	MEF
	S16	09.50-10.35	Pain and pain syndromes	1	Nikolina Pravdić	MEF
	P10	10.45-13.00	Practicals	3	Lecturers and assistants	Clinic of Neurology
Tuesday 13.10.2026.	L10	09.00-10.30	Movement disorders	2	Nikolina Pravdić	MEF

	S17	10.35-11.20	Movement disorders - clinical picture	1	Nikolina Pravdić	MEF
	P11	11.30-13.00	Practicals	2	Lecturers and assistants	Clinic of Neurology
Wednesday 14.10.2026.	L11	09.00-10.30	Epilepsy	2	Nataša Pejanović-Škobić	MEF
	S18	10.35-11.20	Epilepsy - clinical picture	1	Nataša Pejanović-Škobić	MEF
	P12	11.30-13.45	Practicals	3	Lecturers and assistants	Clinic of Neurology
Thursday 15.10.2026.	S19	09.00-09.45	Genetics of neurological diseases	1	Nataša Pejanović-Škobić	MEF
	S20	09.50-10.35	My hardest clinical case	1	Davor Batinić	MEF
	P13	11.00-13.15	Practicals	3	Lecturers and assistants	Clinic of Neurology
Friday 16.10.2026.	S21	09.00-09.45	Localisation in clinical neurology	1	Davor Batinić	MEF
	S22	09.50-10.35	Autonomic nervous system disorders - selected topics	1	Nataša Pejanović-Škobić	MEF
	P14	11.00-13.15	Practicals (Summary)	3	Lecturers and assistants	Clinic of Neurology
Monday 19.10.2026.	L12	09.00-10.30	Neuromuscular disorders	2	Nataša Pejanović-Škobić Davor Batinić	MEF
	S23	10.35-11.20	Neuromuscular disorders – clinical picture	1	Davor Batinić	
	P15	11.30-13.00	Practicals (Summary)	2	Lecturers and assistants	Clinic of Neurology
Tuesday 20.10.2026.	P16	09.00-09.45	Practicals (Ultrasound)	1	Lecturers and assistants	Clinic of Neurology

	P17	09.50-10.35	<i>Practicals (EEG lab)</i>	1	Lecturers and assistants	Clinic of Neurology
	P18	10.40-11.25	<i>Practicals (EMNG lab)</i>	1	Lecturers and assistants	Clinic of Neurology
	P19	12.00-13.30	<i>Preliminary examination (practical)</i>	2	Lecturers – examiners	Clinic of Neurology
Wednesday 21.10.2025.	Exam	09.00-14.00	Examination (written + oral)		Lecturers – examiners	MEF Clinic of Neurology

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: 21th October 2026

2nd exam term: 17th February 2027

3rd exam term: 12th July 2027

4th exam term: 24th August 2027

5th exam term: 07th September 2027

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. Associate Professor Nataša Pejanović-Škobić, MD, PhD, neurologist – *Course leader*
2. Associate Professor Nikolina Pravdić, MD, PhD, neurologist - *Secretary of the Course in Neurology*
3. Assistant Professor Marija Bender, MD, PhD, neurologist
4. Assistant Professor Vlatko Šulentić, MD, PhD, neurologist
5. Assistant Professor Ilijas Jelčić, MD, PhD, neurologist
5. Assistant Davor Batinić, MD, MSc, neurologist
6. Assistant Sandra Lakičević, MD, PhD, neurologist

X. LIST OF EXAMINERS FOR 2026/2027. ACADEMIC YEAR

1. Associate Professor Nataša Pejanović-Škobić, MD, PhD, neurologist
3. Associate Professor Nikolina Pravdić, MD, PhD, neurologist

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