

NEUROINFECTIONS	
GENERAL INFORMATION	
Course coordinator	Associate Professor Ljiljana Perić, MD, PhD
Assistant/Associate	Assistant Professor Dubravka Lišnjić, MD, PhD Mario Duvnjak, MD Dario Sabadi, MD
Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Elective
Year of study, semester	4 th year, 8 th semester
ECTS	2
Workload (hours)	Lectures (7); Seminars (8); Exercises (10)
Expected number of students	30
COURSE DESCRIPTION	
Course objectives	
The goal of the course is to ensure that the student acquires the necessary theoretical and practical knowledge in the field of neuroinfectology.	
Enrolment requirements and entry competencies	
Enrolled in the fourth year of study	
Learning outcomes at the Programme level	
1.1, 1.2, 2.1, 2.2, 2.3, 3.1, 3.2, 3.2, 3.4, 3.5, 4.2	
Learning outcomes (5-10)	
Cognitive domain - knowledge: After passing the exam, the student will be able to: 1. Interpret and argue the etiological and epidemiological features of neuroinfectious diseases 2. Determine and compare the pathophysiological mechanisms and clinical manifestations of neuroinfectious diseases 3. Predict and select the types and methods of diagnostic treatment of neuroinfectious patients 4. Evaluate and recommend treatment methods for neuroinfectious diseases 5. Evaluate and support measures to prevent neuroinfectious diseases	
Course content	
Approach to the patient with central nervous system infection and neuroradiological imaging. Cerebrospinal fluid, Bacterial meningitis. Slow infections of the CNS and prion diseases, Infectious and non-infectious causes of chronic meningitis, Brain abscess, subdural empyema, epidural abscess and suppurative intracranial thrombophlebitis, Viral meningitis and encephalitis, Spirochetal, herpesvirus and arbovirus infections of the central nervous system, Parasitic and fungal infections of the central nervous system, Infections of the CNS caused by bacterial toxins. Post-infectious neurological syndromes (ADEM, Guillain-Barré syndrome).	
Mode of teaching	
Lectures; Seminars; Clinical exercises	
Student obligations	
Students are expected to attend all class sessions, as well as to take all the examinations. However, they are allowed for excused absences, totalling 30% of all classes.	

Monitoring student work (alignment of learning outcomes, teaching methods, and grading)

Teaching activity	ECTS	Learning outcome	Student activity	Assessment methods	Grade points	
					Min.	Max.
Class attendance	0,5	1-5	Class attendance; exercises	Evidence sheet; evaluation	2	20
Exercises	0,5	1-5	Attendance and active participation in exercises	Demonstration of the exercise	15	30
Final exam	1,00	1-5	Learning for the exam	Grading of the written exam	30	50
Total	2				50	100

Evaluation/grading of the final written examination:

Percentage of correct answers (%)	Grade points
60,00-69,99	30
70,00-79,99	35
80,00-89,99	40
90,00-94,99	45
95,00-100,00	50

Calculation of final grade:

Students who obtained 30 or more points on the final exam, the points obtained on the final exam are added to the grade points obtained during the class, and this sum constitutes the final grade. Given that the study program provides for the descriptive evaluation of elective courses, the subject holder assigns a grade of "passed" at the end to a student who achieves 50 or more evaluation points in the course.

Required reading (available in the library and through other media)

Title	Number of copies in the library	Availability through other media
Josip Begovac i suradnici. Klinička infektologija. Medicinska naklada, Zagreb, 2019.	10	

Additional reading

1. W. Michael Scheld, Richard J. Whitley and Christina M. Marra: Infections of the Central Nervous System, 4th Ed.

Course evaluation procedures

Anonymous, quantitative, standardized student survey providing feedback on the course as well as on the work of course coordinators and their assistants/associates is being conducted by the QA Office of the Faculty of medicine Osijek.

Note /Other

E-learning does not count towards course contact hours, but is being used in teaching and comprises links to various web pages, as well as video and audio materials available on web pages.