NE	UROSURGERY			
GENERAL INFORMATION				
Course coordinator	Professor Krešimir Rotim, MD, PhD			
Assistant/Associate	Assoc. Prof. Ivan Hećimović, MD, PhD			
	Asst. Prof. Božidar Muršić , MD, PhD			
	Asst. Prof. Dario Mužević, MD, PhD			
	Nenad Koruga, MD, PhD			
	Miroslav Gjurašin, MD, PhD			
	Tomislav Sajko, MD, PhD			
Study Programme	Integrated undergraduate and graduate university			
Status of the course	study of Medicine Mandatory			
	4 <sup>th</sup> year, 8 <sup>th</sup> semester			
Year of study, semester				
ECTS				
Workload (hours)	Lectures (5); Seminars (8); Exercises (8)			
Expected number of students	70			
COURSE DESCRIPTION				
Course objectives				
neurosurgical emergencies and familiarize neurosurgery, radiosurgery, pain surgery). Enrolment requirements and entry competition	ed with modern options in neurosurgery (functional			
The student has attended and completed all the previous year's courses. Learning outcomes at the Programme level				
1.1., 1.2., 2.1., 2.2., 2.3., 3.1., 3.2., 3.3., 3.4				
Learning outcomes (5-10)	,,			
<ol> <li>Define, describe and differentiate between the most common neurosurgical entities</li> <li>Demonstrate the ability to take a medical history and perform a clinical examination in patients with the most common neurosurgical disorders</li> <li>Assess changes in the state of consciousness and suggest</li> </ol>				
further diagnostic and therapeutic procedures 4. Identify and describe the symptomatology of spinal cord injuries				
5. Describe the most common central nervo				
Course content				
(medical history, clinical neurological exami neurosurgical treatment (trephination, crar Spatio-compressive intracranial processes – of pinched nerves and signs). Intracranial tu Hydrocephalus in children and adults – CSF diseases. Pediatric neurosurgery. Cerebrova	- pathophysiology of the intracranial space (ICP, types imors – neuro-oncology. circulation. Differential diagnosis of neurosurgical			
– compression. Glasgow coma scale score (GCS score). Diseases and injuries of the spine and spina				

cord. Disco–radicular conflict C 5, 6, 7, 8/ L2, 3, 4, 5, S1. Prognosis and rehabilitation of neurosurgical patients.

# Mode of teaching

Lectures; Seminars; 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	Student activity	Assessment	Grade	points
		outcome		methods	Min.	Max.
Attendance (lectures and seminars)	0.25	1–5	Class attendance	Records	5	20
Exercises	0.25	1–5	Attendance and active participation in exercises	Exercise log	15	30
Final exam	0.5	1–5	Studying for the final exam	Oral exam	30	50
Total	1				50	100

## Valuation of the final exam:

Student's answer	Grade points	
The answer meets the minimum criteria	30.0	
Average answer with notable mistakes	37.0	
Very good answer with minor mistakes	44.0	
Exceptional answer	50.0	

Calculation of final grade:

Points achieved in class are combined with points achieved on the oral exam. The grading shall be carried out by using absolute distribution, i.e. shall be based on the final achievement and compared to the numerical system as follows:

A – excellent (5): 80-100 points ; B – very good (4): 70-79.99 points; C – good (3): 60-69.99 points; D – sufficient (2): 50-59.99 points.

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

Title	Number of	Availability			
	copies in the	through other			
	library	media			
1. Rotim K, Sajko T. Neurokirurgija [Neurosurgery]. Osijek:					
Faculty Of Medicine, Josip Juraj Strossmayer University of					
Osijek, 2019					
Additional reading					
1. Rotim K et al. Neurotraumatologija [Neurotraumatology]. Zagreb: Medicinska naklada; 2006					
2. Rotim K, Sajko T. Neurokirurgija [Neurosurgery]. Zagreb: University of Applied Health Sciences;					

#### 2010

3. Sajko T and Rotim K. Neurokirurške posljedice bolesti središnjeg živčanog sustava [Neurosurgical consequences of central nervous system diseases]. Zagreb: Faculty of Education and Rehabilitation Sciences, University of Zagreb, 2019

## **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.