

<i>Name of the course</i>	<b>Emergency medicine and internship</b>			<b>Code</b>	
<i>Type of study program Cycle</i>	Integrated university studies, medicine			<b>Year of study</b>	VI
<i>Credits (ECTS) :</i>	<b>6</b>	<i>Semester</i>	XII	Number of hours per semester (l+e+s)	120 (0+100+20)
<i>Status of the course:</i>	mandatory	<i>Preconditions:</i>	Passed all exams of the 5 <sup>th</sup> year	<i>Comparative conditions:</i>	
<i>Access to course:</i>	6 <sup>th</sup> year medical students			<i>Hours of instructions:</i>	According to schedule
<i>Course teacher:</i>	Professor Mladen Perić, MD, PhD				
<i>Consultations:</i>	According to deal				
<i>E-mail address and phone number:</i>					
<i>Associate teachers</i>					
<i>Consultations:</i>					
<i>E-mail address and phone number:</i>					
<b><i>The aims of the course:</i></b>	The main objective of the course is to introduce students with the most common emergency and life-threatening conditions, and methods of their disposal. Also, upgrading knowledge of the emergency situations acquired in the previous courses during the practical work, with an emphasis on differential diagnosis and the latest treatment algorithms.				
<b><i>Learning outcomes (general and specific competences):</i></b>	<ul style="list-style-type: none"> <li>• Applying the basics of cardiopulmonary resuscitation. Understanding the causes, pathophysiological events, and disposing algorithms.</li> <li>• Understanding the pathophysiological events in the trauma and the way of treating traumatized patients. Applying the venous path setting, selection of fluids for volume compensation, respiratory support, analgesia.</li> <li>• Remembering the way of treating patients with drowning, electric shock, heat stroke, freezing.</li> <li>• Understanding the pathophysiology and algorithm of treating patients with septic shock.</li> <li>• Remembering the types of allergy reactions with special reference to the anaphylactic reaction.</li> <li>• Remembering the types of poisoning and ways of disposing.</li> <li>• Understanding the causes and the differential diagnosis of choking.</li> <li>• Remembering the causes of bleeding from the gastrointestinal tract.</li> </ul>				

	<ul style="list-style-type: none"> <li>• Understanding the disease expression of patients with bleeding from the upper and lower airways and applying the ways of disposing.</li> <li>• Evaluation of acute chest pain. Understanding the causes and the ways of treatment.</li> <li>• Applying the ways of diagnosing and treating patients with cerebrovascular insults and consciousness disorders.</li> <li>• Remembering the emergency gynecological conditions.</li> <li>• Remembering the emergency pediatric conditions.</li> </ul>			
<b>Course content (Syllabus):</b>	The course Emergency medicine consists of 100 hours of exercises and 20 hours of seminars.			
<b>Format of instruction (mark in bold)</b>	Lectures	<b>Exercises</b>	<b>Seminars</b>	Independent assignments
	<b>Consultations</b>	Work with mentor	Field work	Other
	Remarks:			
<b>Student responsibilities</b>	Students are required to attend classes, it is allowed to justifiably be absent from 20% of classes.			
<b>Screening student work (mark in bold)</b>	Class attendance	<b>Class participations</b>	Seminar essay	<b>Practical training</b>
	<b>Oral exam</b>	Written exam	Continuous assessment	Essay
<b>Detailed evaluation</b> within a <i>European system of points</i> ( <i>Example</i> )				
<b>STUDENTS RESPONSIBILITIES</b>	<b>HOURS</b>	<b>PROPORTIONS OF ECTS CREDITS</b>	<b>PROPORTION S OF MARK</b>	
Class attendance and participations	120	4	40%	
Seminar essay	20	1	10%	
Written exam	0	0	0	
Oral exam	30	1	50%	
Further clarification:				
<p>The exam of the course Emergency medicine is carried out in front of Course teacher and is consisted of an oral and practical part.</p> <p>Conditions for exam approach are a certificate of regular attendance (exercises and seminars), and a filled and signed catalog of clinical skills by a mentor and a student as an evidence of completed Emergency medicine internship.</p> <p>Completed exam is recorded in index as <i>Passed</i>.</p>				

<b>Required literature:</b>	Powerpoint presentations (notes from lectures)
<b>Optional literature:</b>	
<b>Additional information about the course</b>	Monitoring methods of teaching quality: - student questionnaire - quality analysis by students and teachers - exam results analysis - report of the office for teaching quality - external evaluation (visit of team for quality control)

Annexes: calendar classes

<b>The number of teaching units</b>	<b>TOPICS AND LITERATURE</b>
<b>I.</b>	Title: Cardiopulmonary reanimation
	Short description: The Basics of Cardiopulmonary Resuscitation in adults and children
	Literature: required
<b>II.</b>	Title: Disposal of severely traumatized patients
	Short description: Pathophysiological events in trauma and methods of treatment
	Literature: required
<b>III.</b>	Title: Drowning, electric shock, heat stroke, freezing
	Short description: Pathophysiological events and methods of treatment
	Literature: required
<b>IV.</b>	Title: Septic shock
	Short description: Septic shock pathophysiology and algorithm of treatment
	Literature: required
<b>V.</b>	Title: Anaphylactic shock
	Short description: Types of allergic reactions with special reference to anaphylactic reaction
	Literature: required
<b>VI.</b>	Title: Poisoning
	Short description: Types of poisoning and disposal
	Literature: required
<b>VII.</b>	Title: Choking
	Short description: Causes, differential diagnosis and ways of disposing
	Literature: required
<b>VIII.</b>	Title: Gastrointestinal bleeding
	Short description: Causes and case report
	Literature: required

<b><i>IX.</i></b>	Title: The bleeding from the respiratory tract
	Short description: Clinical picture, differential diagnosis and methods of treatment
	Literature: required
<b><i>X.</i></b>	Title: Acute Metabolic Disorders
	Short description: Recognition and differential diagnosis
	Literature: required
<b><i>XI.</i></b>	Title: Acute Abdomen
	Short description: Differential diagnosis and ways of disposing
	Literature: required
<b><i>XII.</i></b>	Title: Chest pain and life-threatening heart rhythm disorders
	Short description: Differential diagnosis and ways of disposing
	Literature: required
<b><i>XIII.</i></b>	Title: Hypertensive crisis, CVI, coma
	Short description: Diagnosis and disposal
	Literature: required
<b><i>XIV.</i></b>	Title: Emergency Gynecological Bleeding
	Short description: Diagnosis and disposal
	Literature: required
<b><i>XV.</i></b>	Title: Emergency Pediatric Conditions
	Short description: Psychotic reactions
	Literature: required