

Name of the course	Emergencies in pediatrics			Code	
Type of study program Cycle	Integrated University Study Program Medical Studies in English			Year of study	6
Credits (ECTS):	1.5	Semester:	XII	Number of hours per semester (l+e+s)	25 (5+20+0)
Status of the course:	Elective	Preconditions:	Passed exams of the fifth year	Comparative conditions:	/
Access to course:	Sixth-year medical students			Hours of instructions:	According to schedule
Course teacher:		Assistant professor Borko Rajič, MD, PhD			
Consultations:		As agreed with students			
E-mail address and phone number:					
Associate teachers		Senior assistant Vladimir Jegdić, MD, MSc			
Consultations:		As agreed with students			
E-mail address and phone number:					
The aims of the course:	The aim of the course is to acquire basic theoretical and practical knowledge necessary for the identification, initial care and organization of further treatment of the most common emergencies in pediatrics				
Learning outcomes (general and specific competences):	<ul style="list-style-type: none">- Define specific terms/terminology related to emergencies in pediatrics- Define and describe the management of basic emergencies in pediatrics- Apply advanced life support algorithms in children- Confidently use emergency equipment and medications in the management of pediatric patients, while demonstrating effective teamwork				
Course content (Syllabus):	<p>Lectures</p> <p>P1 - Basics of Advanced Life Support in Children (2sata)</p> <p>P2 - Respiratory emergencies (1 hour)</p> <p>P3 - Neurological emergencies (1 hour)</p> <p>P4 - Abdominal emergencies (1 hour)</p> <p>Exercises</p> <p>E1 - Assessment and stabilization of the child (4 hours) Practical ABCD assessment. Resuscitation simulations (solo resuscitation and resuscitation in a team).</p> <p>E2 - Respiratory emergencies (4 hours) Practical management of bronchoobstruction (use of inhalation therapy, nebulizer, oxygen). Removal of a foreign body from the airway (manipulative techniques and simulations).</p> <p>E3 - Management of convulsive seizures (4 hours) Resolution of febrile and afebrile seizures with seizures. Preparation and administration of anticonvulsant drugs.</p> <p>E4 - Meningitis and sepsis (3 hours) Diagnosis and initial management of meningitis and sepsis in children. Practical use of antibiotics and stabilization of the condition.</p> <p>E5 - Abdominal emergencies (3 hours) Physical examination of the abdomen in children. Practical approaches to differential diagnosis and simulation of emergency evaluation.</p> <p>E6 - Bleeding recognition and management of bleeding (2 hours)</p> <p>120 hours of classes are divided into exercises and seminars that take place in the pediatric department and in the Health Center. In addition to practical work monitored by assistants, professors, seminars are held every day in which important and more frequent diseases of children are discussed.</p>				
Format of instruction (mark in bold)	Lectures	Exercises	Seminars	Independent assignments	
	Consultations	Work with mentor	Field work	Other	

<i>Student responsibilities</i>	Students are obliged to attend classes, it is allowed to miss 20% of classes			
<i>Screening student work (mark in bold)</i>	Class attendance	Class participations	Seminar essay	Practical training
	Oral exam	Written exam	Continuous assessment	Essay
Detailed evaluation within a <i>European system of points</i>				
STUDENTS RESPONSIBILITIES	HOURS	PROPORTIONS OF ECTS CREDITS	PROPORTIONS OF GRADE	
Class attendance and engagement	25	0.9		
Written exam	10	0.3	50%	
Oral exam	10	0.3	50%	
Total	45	1.5	100%	
Further clarification:				
Evaluation is descriptive (pass/fail).				
In accordance with the Study Regulations of the University of Mostar, a minimum achievement of 55% is required in order to obtain a passing grade.				
<i>Required literature:</i>	Kliegman, R.M., St. Geme III, J.W., Blum, N.J., Shah, S.S., Tasker, R.C., & Wilson, K.M. (2024). Nelson Textbook of Pediatrics (22nd ed.). Elsevier			
<i>Optional literature:</i>	Smith S, (2023) Advanced Paediatric Life Support: A Practical Approach to Emergencies, 7th Edition, Advanced Life Support Group (ALSG) Wiley-Blackwell			
<i>Additional information about the course</i>	Students are required to regularly attend and actively participate in all forms of classes.			