
	UNIVERSITY OF EAST SARAJEVO Faculty of Medicine					
	Study program: Medicine					
	Integrated academic studies	V study year				
Full course title	PEDIATRICS					
Department	Department of Pediatrics, Faculty of Medicine in Foča					
Course code	Course status	Semester	ECTS			
ME-04-1-046-9; ME-04-1-046-10	compulsory	IX, X	12			
Teacher/s	Full professor Ida Jovanović, MD, PhD; full professor Predrag Minić, MD, PhD; full professor Dejan Bokonjić, MD, PhD, Assistant professor Biljna Milinković, MD, PhD					
Associate/ - s	Senior assistant Vladimir Turuntaš, MD, MSc, Senior assistant Tanja Gavrilović-Elez, MD, Msc; Senior assistant Goran Popović, MD, MSc					
The number of teaching hours / teaching workload (per week)		Individual student workload (in hours per semester)		Coefficient of student workload S₀¹		
L	E	SP	L	E	SP	S₀
3	4	1	3*15*0.6	4*15*0.6	1*15*0.6	0.6
2	4	1	2*15*0.6	4*15*0.6	1*15*0.6	0.6
Total teaching workload (in hours, per semester) 3*15 + 4*15 + 1*15 =120 2*15 + 4*15 + 1*15 =105			Total student workload (in hours, per semester) 3*15*0.6+4*15*0.6 +1*15*0.6 =72 2*15*0.6+4*15*0.6 +1*15*0.6= 63			
Total subject workload (teaching+student): 225 +135 = 360 hours per semester						
Learning outcomes	<p>The main aims of pediatric lectures are to provide medical students with knowledge about particularities of the population in the range from birth to 18 years of age (knowledge about growth, development and nutrition), as well as to acquire knowledge and master clinical skills related to clinical presentation, differential diagnostic procedures and treatment of a disease in this age.</p> <p>While attending lectures, students acquire all the necessary knowledge of pathogenesis, clinical presentation and treatment of a disease, as well as conditions that can develop in children. Particular attention is paid to the importance of preventive medical procedures, as well as to the proper differential diagnosis.</p> <p>Students are expected to master basic communication skills with children, parents and colleagues, to master particularities of taking anamnesis, physical examination, prescribing and administering therapy to the children, teamwork and management skills, as well as the basics of ethics in work with children, respecting their rights and privacy and maintaining medical confidentiality.</p> <p>Students are also expected to master the skills of planning and conducting vaccination, as well as working in centers for child and youth counseling.</p>					
Preconditions	Precondition for taking the exam: all of the fourth year exams passed					
Teaching methods	Lectures, practical exercises, problem-based learning, work on phantoms, case presentations, seminar papers, using simulation software, consultations					
Course content per week	<p>Lectures</p> <ol style="list-style-type: none"> 1. Introduction to pediatrics 2. Peculiarities of the growth and development in adolescence, the most frequent problems of adolescents and their parents; Morbidity, mortality, risk behavior; Eating disorders in adolescence 3. Social and preventive pediatrics 4. Growth and development of children. Assessment of growth and development. Pathology of growth and development. 5. Clinical genetics; chromosomes and genes; types of heredity and hereditary diseases; congenital anomalies; genetic counseling, prenatal diagnostics, neonatal screening 6. Congenital metabolic disorders, Rachitis, Lipid, carbohydrate and protein metabolism disorders 7. Homeostasis, disorders of water and electrolyte metabolism 8. Infants and young children nutrition, natural feeding, cow's milk, premature baby nutrition, artificial feeding, mixed feeding 9. School and pre-school children nutrition. Eating disorders 					

¹Coefficient of student workload S₀ is calculated as it follows:

a) for the study programs not going through the licensing process: S₀ = (total workload in semester for all of the subjects 900 hrs – total teaching workload L+E in semester for all of the subjects 870 hrs) / total teaching workload L+E in semester for all of the subjects ____ hrs = ____ . Consult form content and its explanation.

b) for the study programs going through the licensing process, it is necessary to use form content and its explanation.

	<p>10-11. Neonatology, adaptation of a newborn to extrauterine life, birth trauma, characteristics of a preterm and term newborn, newborn jaundice, hemorrhagic disease of the newborn, newborn infections, breeding disorders, HIE</p> <p>12. Clinical immunology</p> <p>13. Alergology, Urticaria, Quincke's edema , Atopic dermatitis, Prevention of allergic disease</p> <p>14-15. Respiratory sytem and tuberculosis, Characteristics of the respiratory tract in children, Diseases of the upper and lower respiratory tract, Upper and lower respiratory tract diseases, Pulmonary tuberculosis, BCG vaccine</p> <p>15-16 Cardiovascular system, Fetal circulation, heart defects (clinical presentation, diagnosis, treatment), rheumatic fever, bacterial endocarditis (infective endocarditis), diseases of the heart muscle, heart rhythm disorders</p> <p>17. Connective tissue diseases</p> <p>18. Hematologic diseases, anemias, hemostasis disorders, screening tests of hemostasis, Thrombocytopenia, coagulopathy, vasculopathy, Swollen lymph nodes in children, acute leukemias</p> <p>19. Malignant diseases. Oncology, lymphomas, solid tumors</p> <p>20-21. Digestive system. Diseases of the upper and lower gastrointestinal tract, intestinal parasitosis, recidive abdominal pain, hepatology, recidivous abdominal pain, Unconjugated hyperbilirubinemia (Gilbert's syndrome), conjugated hyperbilirubinemia, chronic hepatitides</p> <p>22-23. Nephrology, Kidney and urinary tract infections, Vesicoureteral reflux, reflux nephropathy and renoprotective therapy, Primary glomerular diseases, Acute and chronic renal insufficiency</p> <p>24-25. Endocrinology. Diabetes mellitus,treatment and prevention. Congenital hypothyroidism, Hashimoto's thyroiditis, hyperthyroidism, adrenal gland disorders, other endocrine disorders</p> <p>25-26 Neurology. Normal psychomotor development. Nonepileptic paroxysmal disorders of childhood. Epilepsy and epilepsy syndromes of childhood, Treatment of epilepsy and management of status epilepticus. Headaches</p> <p>27. Neuromuscular diseases</p> <p>28. Skeletal diseases</p> <p>29. Emergency pediatrics. Cardiopulmonary-cerebral resuscitation in pediatrics. Resuscitation and procedures in managing particular conditions in pediatrics.</p> <p>30. Pharmacotherapy: Pharmacokinetics and Pharmacodynamics in children, medication dosage in children, medicines and breastfeeding, necessity of taking medication anamnesis</p>			
Compulsory literature				
Author/s	Publication title, publisher	Година	Странице (од-до)	
Maredante K et al.	Nelson Essentials of Pediatrics with Student Consult Online Access 7th ed. Elsevier Saunders	2015		
Additional literature				
Author/s	Publication title, publisher	Година	Странице (од-до)	
Student responsibilities, types of student assessment and grading	Grading policy		Бодови	Процент
	Pre-exam activities			
		lecture/exercise attendance	20	20%
		case study- group work	10	10%
		practical work	20	20%
	Final exam			
		practical exam	25	25%
		written exam	25	25%
	TOTAL	100	100 %	
Certification date	December 13 th 2018			

* the number of necessary rows is added by using *insert mode*