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|  | | | **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** | | |
|
| МЕ-01-1-046-9; МЕ-01-1-046-10 | | | | | | 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 So[[1]](#footnote-2)** | |
| **L** | **E** | | | | **SP** | | **L** | | | **E** | | **SP** | | | **So** | |
| 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** | | 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 (knowlege about growth, development and nutrition), as well as to aquire knowledge and master clinical skills related to clinical presentation, differential diagnostic procedures and treatment of a disease in this age.  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.  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.  Students are also expected to master the skills of planning and conducting vaccination, as well as working in centers for child and youth counseling. | | | | | | | | | | | | | | |
| **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** | | **Lectures**  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  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  12. Clinical immunology  13. Alergology, Urticaria, Quincke's edema , Atopic dermatitis, Prevention of allergic disease  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  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  17. Connective tissue diseases  18. Hematologic diseases, anemias, hemostasis disorders, screening tests of hemostasis, Thrombocytopenia, coagulopathy, vasculopathy, Swollen lymph nodes in children, acute leukemias  19. Malignant diseases. Oncology, lymphomas, solid tumors  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  22-23. Nephrology, Kidney and urinary tract infections, Vesicoureteral reflux, reflux nephropathy and renoprotective therapy, Primary glomerular diseases, Acute and chronic renal insufficiency  24-25. Endocrinology. Diabetes mellitus,treatment and prevention. Congenital hypothyroidism, Hashimoto's thyroiditis, hyperthyroidism, adrenal gland disorders, other endocrine disorders  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  27. Neuromuscular diseases  28. Skeletal diseases  29. Emergency pediatrics. Cardiopulmonary-cerebral resuscitation in pediatrics. Resuscitation and procedures in managing particular conditions in pediatrics.  30. Pharmacotherapy: Pharmacokinetics and Pharmacodynamics in children, medication dosage in children, medicines and breastfeeding, necessity of taking medication anamnesis | | | | | | | | | | | | | | |
| **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)** | |
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|  | | | |  | | | | | | | | |  | |  | |
| **Student responsibilities, types of student assessment and grading** | | **Grading policy** | | | | | | | | | | | | **Бодови** | | **Проценат** |
| 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*

1. . [↑](#footnote-ref-2)