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| 1. | Subject | CHOSEN TOPICS OF TRAUMATOLOGY WITH FIRST AID, ORTHOPEDICS, OTORHINOLARYNGOLOGY AND OPHTHALMOLOGY | | | |
| 2. | Code | DA – 313 | | | |
| 3. | Study program: | Three-year professional studies for graduate obstetricians | | | |
| 4. | Conducted by | UKIM – Medical Faculty Department of Surgery Department of Orthopedics Department of Anesthesiology with Resuscitation Department of Otorhinolaryngology Department of Ophthalmology | | | |
| 5. | Degree of education (first or second cycle) | First cycle | | | |
| 6. | Academic year/semester | III/V and VI | 7. | Credits | 1 – V semester 2 – VI semester |
| 8. | Professor | <p>Head of the Department of Surgery: Doc. D-r Boro Dzonov The lessons are held by the following Department professors: Prof. d-r Goran Kondov Prof. d-r Vladimir Mircheski Prof. d-r Aleksandar Chaparoski Prof. d-r Slobodan Ristovski Prof. d-r Nikola Jankulovski Prof. d-r Slavko Stojmenski Prof. d-r Mile Petrovski Prof. d-r Igor Kaftandziev Prof. d-r Gjorgji Jota Prof. d-r Smilja Tudzarova – Gjorgova Prof. d-r Viktor Kamiloski Prof. d-r Simon Trpeski Prof. d-r Oliver Stankov Prof. d-r Elizabeta Mirchevska – Njogovska Prof. d-r Lazar Todorovikj Prof. d-r Sotir Stavridis Prof. d-r Skender Saidi Prof. d-r Risto Cholancheski Prof. d-r Svetozar Antovikj</p> <p>Head of the Department of orthopedics: Prof. d-r Zlatko Temelkovski The lessons are held by all the Department professors</p> <p>Head of the Department of Anesthesia and Resuscitation Prof. d-r Mirjana Shosholcheva The lessons are held by all the Department professors</p> <p>Head of the Department of Otorhinolaryngology Prof. d-r Marina Davcheva Chakar The lessons are held by all the Department professors</p> | | | |

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| | | Head of the Department of Ophthalmology Prof. d-r Vesna Jordanova – Dimovska The lessons are held by prof. d-r Vesna Jordanova - Dimovska |
| 9. | Prerequisite | Pass all the exams of I year |
| 10. | Goals | <ul style="list-style-type: none"> - The students gain basic theoretical knowledge of prevention, diagnosis and treatment of injuries, traumatology disorders and diseases, anesthesiology, orthopedics, otorhinolaryngology and ophthalmology - The students learn the standards and activities for health protection of traumatology, anesthesiology, orthopedics, otorhinolaryngology and ophthalmology patients - The students become able to perform special caring and obstetrical activities from the chosen fields |
| 11. | Content summary: Theoretical lessons: | <ul style="list-style-type: none"> • Orthopedics: <ul style="list-style-type: none"> • Recognizing congenital anomalies in a newborn (1 class) • Prevention of developmental hip dysplasia in a newborn (1 class) • Treatment protocol of congenital foot deformity (1 class) • Treatment protocol of torticollis (positional torticollis, torticollis caused by rupture of m.sternocleidomastoidalis) (1class) • Recognizing and treatment of plexus branchialis (1 class) • The influence of Abgar score related to the congenital anomalies (1 class) • Congenital anomalies of the hand (polydactyly, syndactyly and their treatment) (1 class) • Congenital luxation of a child’s hip (recognizing and treatment) (1 class) • First aid <ul style="list-style-type: none"> • Basic life support (ABC) (prof. d-r Mirjana Shosholcheva 1 class) • Prolonged life support (prof. d-r Mirjana Shosholcheva 1 class) • Advanced life support (prof. d-r Mirjana Shosholcheva 1 class) • First aid in case of accidents (traumas, electric shock, drowning in fresh and salt water) (prof. d-r Mirjana Shosholcheva 1 class) • Skin damage and first aid (prof. d-r Vladimir Mirchevski 1 class) • Stopping bleeding and first aid (prof. d-r Vladimir Mirchevski 1 class) • Fractures and first aid (prof. d-r Vladimir Mirchevski 1 class) • Transporting an injured person (prof. d-r Vladimir Mirchevski 1 class) • Traumatology <ul style="list-style-type: none"> • Antisepsis, sterilization and work organization in the operating theater (prof. d-r Hristijan Kostov 1 class) • Types and treatment of wounds (prof. d-r Igor Kaftandziev 1 class) • Fractures, types, treatment and complications (prof. d-r Viktor Kamiloski 1 class) • Surgical infections and treatment rules (prof. d-r Igor Kaftandziev 1 class) • Urgent conditions in pediatric and neonatal surgery (prof. d-r Simon Trpeski 1 class) • Surgical instruments (prof. d-r Slavcho Stojmenski 1 class) • Blunt force trauma, complications (prof. d-r Viktor Kamiloski 1 class) • Flebthrombosis and thromboflebitis (prof. d-r Slavcho Stojmenski 1 class) • Otorhinolaryngology |

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| | <ul style="list-style-type: none"> • Basic anatomy and physiology of ears and upper respiratory tract • Metabolic and physiological changes in pregnant women from the field of otorhinolaryngology and their treatment • Ear problems in a newborn with special attention to congenital anomalies • Newborn hearing screening • Congenital paralysis of n facialis • Rhinitis, allergic rhinitis, epistaxis in pregnant women • Obstructive sleep apnea, gastroesophageal reflux, granuola gravidarum, taste changes during pregnancy • Diseases of the nasal cavity and the upper respiratory tract in newborn, with special attention paid to the congenital anomalies • Laryngopathy during pregnancy, ptyalism, physiological changes of the thyroid gland in pregnant women • Evaluation of a newborn's airway, throat problems with special attention paid to congenital anomalies and problems. <p>Ophthalmology</p> <ul style="list-style-type: none"> • Examination and methods of analysis, basic anatomy and physiology of the eyes • Ptosis, vascular tumors of the eyelid with congenital anomalies, nasolacrimal drainage system • Conjunctivitis in newborns, keratitis as a complication of conjunctivitis and congenital anomalies of the cornea • Eye injuries due to delivery, eclampsia, connection between myopathy and delivery • Congenital anomalies related to localization and transparency of the lens, congenital cataract, etiology, treatment and complications • Uveitis and clinical manifestation of congenital toxoplasmosis, congenital and infantile glaucoma • Pediatric systemic disorders with ocular involvement (diabetes, metabolic disorders, chromosomal disorders, albinism, etc.) • Retinopathy, retinoblastoma • Strabismus and amblyopia • Pediatric neuro-ophthalmology, nystagmus | | | |
| 12. | Teaching methods: interactive lessons, practical lessons and practice | | | |
| 13. | Total classes: | 65 | | |
| 14. | Organization | 30 theoretical lessons in the V semester, 15 theoretical lessons in the VI semester and 20 practical lessons in the VI semester | | |
| 15. | Types of teaching activities | 15.1 | Lessons: theoretical classes | 45 |
| | | 15.2 | Practical lessons, seminars | 20 |
| 16. | Other types of activities | 16.1 | Practice | |
| | | 16.2 | Self-supporting practice | |
| | | 16.3 | Learning at home | |
| 17. | Knowledge assessment | | Points | |
| | 17.1 | Mid-term exams | Min. – max. 9 – 15 | |

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| | | | The students can gain from 3 to 5 points on each mid-term exam: Orthopaedics mid-term exam 3 – 5 Anaesthesiology mid-term exam 3-5 Traumatology mid-term exam 3-5 |
| | 17.2 | Final exam | Min. – max. 27 - 45 The student must gain minimum point on each mid-term exam to be able to attend the final exam. The final exam consists of 30 questions, 10 of each field according to the content of the subject program |
| | 17.3 | Theoretical lessons | Min. – Max 5 - 15 Theoretical lessons points Attendance to the theoretical lessons 51-60% - 5 points 61-70% - 7 points 71-80% - 9 points 81-90% - 12 points 91-100% - 15 points |
| | 17.4 | Practice | Practical lessons (20 lessons) Min. – max. 13 - 25 Attendance: 1.25 points for every Practical lesson (20 in total) The student must attend 11 practical lessons to gain minimum points. If he doesn't, he gets additional tasks to pass the practice. |
| 18. | Grading criterion (points/grades) | Up to 59 | 5 (five) F |
| | | 60-68 | 6 (six) E |
| | | 69-76 | 7 (seven) D |
| | | 77-84 | 8 (eight) C |
| | | 85-92 | 9 (nine) B |
| | | 93-100 | 10 (ten) A |
| 19. | Requirements for obtaining a signature and attending the final examination | To obtain a signature the student must attend the theoretical lessons, participate in the practical lessons and the seminars and pass the mid-term exams. To attend the final exam, the student must pass each of the mid-term exams and gain at least 60% of the points. If the mid-term exams are not passed, the student must pass a complete final exam (first must attend the mid-term exams in the exam week, and then the final exam). The final grade for the subject is formed according to the table for grading, and is based on the sum of the points from all the activities, the mid-term exams and the final exam. | |
| 20. | Language | Macedonian | |
| 21. | Method of evaluating the quality of the lessons | Students' anonymous evaluation of the subjects, the professors and collaborators who hold the lessons. | |
| 22. | Literature: | | |
| | 22.1 | Mandatory literature | |
| | | 1. | Authorized lectures of the Departments |

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| | 22.2 | Additional literature |
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