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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  |  |
| **GENERAL INFORMATION** |
| Study program  | **Medicine** |
| Study Module (if applicable) |  |
| Course title | Surgery 1 |
| Level of study | ☐Bachelor x Master’s ☐ Doctoral |
| Type of course | x Obligatory ☐ Elective |
| Semester  |  x Autumn xSpring |
| Year of study  | 5 |
| Number of ECTS allocated | 12 |
| Name of lecturer/lecturers |

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| **ОПШТА ХИРУРГИЈА** |
| Ђорђевић П. Небојша | рeдoвни прoфeсoр |
| Станојевић З. Горан | редовни прoфeсoр |
| Стојановић П. Мирослав | редовни прoфeсoр |
| Радојковић Д. Милан | дoцeнт |
| Караниколић Д. Александар | дoцeнт |
| Ђенић С. Небојша | aсистeнт |
| **ВАСКУЛАРНА ХИРУРГИЈА** |
| Јовановић М. Милан | рeдoвни прoфeсoр |
| Милић Ј. Драган | доцент |
| **ДИГЕСТИВНА ХИРУРГИЈА** |
| Игњатовић С. Небојша | aсистeнт |
| Бранковић Р. Бранко | aсистeнт |
| **УРОЛОГИЈА** |
| Игњатовић М. Иван | рeдoвни прoфeсoр |
| Башић Т. Драгослав | ванредни професор |
| Станковић С. Јаблан | дoцeнт |
| **ОРТОПЕДИЈА** |
| Митковић Б. Милорад | рeдoвни прoфeсoр |
| Голубовић В. Зоран | рeдoвни прoфeсoр |
| Мицић Д. Иван | ванредни професор |
| Ђорђевић М. Нина | дoцeнт |
| Миленковић С. Саша | дoцeнт |
| **НЕУРОХИРУРГИЈА** |
| Стефановић С. Иван | редовни прoфeсoр |
| Стојановић Н. Небојша | ванредни професор |
| Новак Н. Весна | дoцeнт |
| Костић В. Александар | доцент |
| **ДЕЧЈА ХИРУРГИЈА** |
| Славковић Р. Анђелка | рeдoвни прoфeсoр |
| Марјановић О. Зоран | вaнрeдни прoфeсoр |
| Живановић  В. Драгољуб | доцент |
| **АНЕСТЕЗИОЛОГИЈА** |
| Јанковић Ј. Радмило | ванредни професор |
| Павловић М. Светлана | ванредни професор |
| Стошић С. Биљана | ванредни професор |
| Будић З. Ивана | доцент |
| **ПЛАСТИЧНА ХИРУРГИЈА** |
| Ковачевић Т. Предраг | вaнрeдни прoфeсoр |
| Стевановић Р. Горан | дoцeнт |
| Стојиљковић М. Данило | доцент |

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| Teaching mode |  xLectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work x Seminar ☐Distance learning ☐ Blended learning x Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Students will learn about basic principles of surgery and basics of diagnosis and therapy of surgical conditions in the areas of general and emergency surgery, surgery of the central and peripheral nervous system, plastic and reconstructive surgery, endocrine, chest and cardiosurgery.Upon completion of the course, students will be able to implement the principles of asepsis and antisepsis, to recognize symptoms and signs of most common diseases in the above areas, and to be able to use diagnostic algorithms for final diagnosis and to know basic principles of surgical strategy and tactics in the treatment of these diseases. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| *Theory*Intro to surgery. Asepsis and antisepsis. Surgical operative technique. Types of surgical interventions. Neurosurgical propedeutics. Congenital anomalies. CNS infections. Craniocerebral injuries. Cerebrovascular diseases. Tumors of the CNS. Diseases and injuries of the spinal cord and peripheral nerves. Wounds and wound care. Preoperative preparation and postoperative care. Surgical diagnosis. Surgical prophylaxis, surgical infections – prophylaxis and therapy. Pathophysiological disorders after operations and injuries. Disorders of water and electrolyte metabolism. Anesthesia and reanimation. Traumatic shock. Bleeding and hemostasis. Blood transfusion. Surgery of skin tumors and soft tissues. Chemical, thermic and radiation injuries. Breast surgery. Surgery of the chest wall and pleura. Lung and trachea. Basics of cardiosurgery. Endocrine surgery. Surgery of the jaws and neck and basics of plastic and reconstructive surgery. *Practice*Administration of injections. Types of sterilization. Basic principles of patient management. First aid. Instruments. Approach to comatose patients – diagnosis and treatment. Diagnosis of intracranial hypertension. Diagnosis of cervical myeloradiculopathy. Compression radicular neuropathy. Interpretation of signs of injury to the peripheral nerves. Indications for lumbar puncture in neurosurgery. Demonstration of surgical suture on a model. Surgical wound care. Basics of anamnesis and clinical examination of surgical patients. Principles of preoperative preparation. Examination of surgical patients. Antitetanus protection. Incision and draining of a purulent infection. Principles of treatment of metabolic disorders and nourishment of surgical patients. Reanimation equipment. Reanimation procedure. Shock – diagnosis and venous access, intubation and therapy of shock. Principles of transfusion. Melanoma and skin cancer. Diagnosis and therapy of hand injuries. Burns and management of burns. Breast examination and axillary palpation. Diagnosis of breast diseases. Chest anomalies. Diagnosis of injuries to the thorax (pneumothorax). Tension pneumothorax – first aid, procedure of trocar-thoracotomy. Examination of the thyroid, diagnostic tests and therapy. Examination of the neck – diagnosis, therapy of diseases of the jaws and neck. Sternotomy. Thymus persistens. Diagnosis in cardiosurgery. |
| **LANGUAGE OF INSTRUCTION** |
| xSerbian (complete course) x English (complete course) ☐ Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)☐Serbian with English mentoring ☐Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **10** | **Practical examination** | **10** |
| **Practical teaching** | **20** | **Oral examination** | **40** |
| **Seminars** | **5** | **OVERALL SUM** | **100** |
| **Tests** | **15** |  |  |
| **\*Final examination mark is formed in accordance with the Institutional documents** |