

Faculty of Medicine / STOMATOLOGY / SURGERY

Course:	SURGERY			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
5933	Mandatory	7	5	3+3+0
Programs	STOMATOLOGY			
Prerequisites	No prerequisites			
Aims	Studying the treatment of injuries and diseases through surgical methods			
Learning outcomes	After completing the two-semester course in surgery, medical students should have the following outcomes: 1. Has knowledge of the surgical anatomy and pathophysiology of surgical diseases, ophthalmology and ear, nose and throat disorders. 2. The student is qualified to take medical history and perform basic surgical examination of the patient. 3. He/she is trained in the use of additional diagnostic procedures - CT, NMR and laboratory diagnostics. 4. He/she is qualified to recognize the emergency of surgical condition and provide Basic Life Support. 5. He/she is qualified to apply principles of hand disinfection and operation site and sterilization of surgical materials and instruments. 6. He/she is able to use surgical instruments, primarily treat wound, make wounds suture, hemostasis, abscess incision, removal of stitches, set dressings and immobilization means and organize transport of injured. 7. He/she is able to after examining the patient and the diagnostic procedures applied decision for referral to a surgeon for further			
Lecturer / Teaching assistant	Prof. dr R. Lazović; Prof. dr M. Radunović; Prof. dr Aleksandar Nikolić, Doc. dr Novak Lakićević, Doc. dr Veselin Stanišić. Doc. dr Zoran Terzić and associates.			
Methodology	Lectures and exercises. Preparation for exercises. Work in small groups and consultations. Final exam			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Introduction to Surgery and History of Surgery. Surgical Prophylaxis.			
I week exercises	Patient history and physical examination. Principles of asepsis and antisepsis.			
II week lectures	Introduction to Surgery and History of Surgery. Surgical Prophylaxis.			
II week exercises	Patient history and physical examination.			
III week lectures	Bleeding and hemostasis, transfusion of blood and blood derivatives.			
III week exercises	Basic and advanced methods of temporary and definitive hemostasis.			
IV week lectures	Prevention and therapy of shock, measures of cardiopulmonary resuscitation.			
IV week exercises	Modern principles of CPR (ERC standards). Application of AED and defibrillator in and out of the office.			
V week lectures	Asepsis and antisepsis, surgical infections.			
V week exercises	Principles of asepsis and antisepsis. Practical application of asepsis and antisepsis measures and prevention of intrahospital infections.			
VI week lectures	Preoperative preparation of the patient and basics of anesthesia.			
VI week exercises	Practical principles of administration of local and regional anesthesia. Use of medical devices to secure the airway			
VII week lectures	Wound and wound healing, basic rules and types of operations.			
VII week exercises	Primary wound treatment. Medical bandages.			
VIII week lectures	Transplantation of tissues and organs, injuries of soft tissues and bone-joint system.			
VIII week exercises	Basic principles of immobilization. Manual and typical immobilization means.			
IX week lectures	Surgical diseases and injuries of peripheral arteries and veins.			
IX week exercises	Emergency surgical conditions.			
X week lectures	Basic principles of oncology and surgical treatment of malignant diseases.			
X week exercises	Incidents in the dental office - injuries during work.			
XI week lectures	Surgical diseases and head and neck injuries.			
XI week exercises	Basic principles of triage.			
XII week lectures	Surgical diseases and injuries of the abdominal wall and retroperitoneal space.			

XII week exercises	Caring for the polytraumatized - basic principles. Trauma system.
XIII week lectures	Surgical diseases of the breast and endocrine glands.
XIII week exercises	Primary, delayed primary and secondary suture in surgery – practical application and skills.
XIV week lectures	Surgical diseases and injuries of lungs, heart and large blood vessels.
XIV week exercises	Principles of thoracic centesis and thoracic drainage.
XV week lectures	Surgical diseases and injuries of organs of the gastrointestinal tract.
XV week exercises	Anamnesis, physical examination and diagnosis of abdominal injuries.

Student workload

Per week

5 credits x 40/30=6 hours and 40 minutes

3 sat(a) theoretical classes

0 sat(a) practical classes

3 exercises

0 hour(s) i 40 minutes

of independent work, including consultations

Per semester

Classes and final exam:

6 hour(s) i 40 minutes x 16 =106 hour(s) i 40 minutes

Necessary preparation before the beginning of the semester (administration, registration, certification):

6 hour(s) i 40 minutes x 2 =13 hour(s) i 20 minutes

Total workload for the subject:

5 x 30=150 hour(s)

Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item)

30 hour(s) i 0 minutes

Workload structure: **106 hour(s) i 40 minutes (courses), 13 hour(s) i 20 minutes (preparation), 30 hour(s) i 0 minutes (additional work)**

Student obligations

Consultations

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Literature

Maksimović Ž, Hirurgija: udžbenik za studente. Medicinski fakultet Beograd, 2019.

Examination methods