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| <b>Study program:</b> Integrated Academic Studies in Medicine   |
| <b>Course title:</b> Surgery  |
| <b>Teacher:</b> Đorđe P. Gajdobranski, Slobodan P. Grebeldinger, Radoica R. Jokić, Miroslav Ž. Milankov, Zoran P. Milošević, Dragan D. Savić, Jan J. Varga, Petar B. Vuleković, Miroslav D. Ilić, Dejan Đ. Ivanov, Janko J. Pasternak, Aleksandar J. Redžek, Katarina A. Šarčev, Milan S. Stanković, Stamenko S. Šušak, Radovan Ž. Veljković, Jovo R. Bogdanović, Svetlana S. Bukarica, Dejan B. Đurić, Zoran D. Gojković, Mladen A. Jovanović, Ivan V. Levakov, Srđan S. Ninković, Mlađan B. Protić, Lazar U. Velicki, Ferenc F. Vicko, Saša S. Vojinov  |
| <b>Course status:</b> compulsory  |
| <b>ECTS Credits:</b> 14   |
| <b>Condition:</b> Internal Medicine (attend); Pharmacology and Toxicology 2 (exam); Radiology; Anaesthesiology and Perioperative Medicine (exam)  |
| <b>Course aim</b><br>The aim of this course is to provide students with knowledge how to estimate health status of population and to recognize and implement measures of prevention and control of surgical diseases.   |
| <b>Expected outcome of the course:</b><br>Students acquire knowledge about surgery techniques which they need to implement in routine work with patients. They need to become familiar with legislation in the context of surveillance.<br>Students need to acquire skills to manage surgery patients, including reporting and CPR.   |
| <b>Course description</b><br><i>Theoretical education</i> <ol style="list-style-type: none"> <li>1. Diagnostic surgical procedures; war surgery</li> <li>2. Organization and management of the injured in peace time and wars</li> <li>3. Asepsis in war surgery</li> <li>4. Wounds, war wounds, surgery infections</li> <li>5. Surgery terminology and classification of surgical interventions</li> <li>6. Postoperative complications, alentheses in surgery</li> <li>7. Surgical principles in oncology</li> <li>8. Neck and breast surgery</li> <li>9. Abdominal surgery</li> <li>10. Specific characteristics of paediatric surgery; emergencies in neonatal surgery</li> <li>11. Thoracic surgery: pleura, lungs, mediastinum, thoracic injuries</li> <li>12. Cardiosurgery and vascular surgery</li> <li>13. Surgical management of burns, basic principles of esthetic surgery, skin and soft tissue tumors, general principles and methods</li> <li>14. in skin defect reconstruction, hand injuries and diseases</li> <li>15. Neurosurgery</li> <li>16. Urology</li> <li>17. Orthopedic surgery</li> </ol><br><i>Practical education</i> <ol style="list-style-type: none"> <li>1. Principles, methods, sterilization and disinfection in surgery, asepsis in surgery and in war surgery</li> <li>2. Physical examination of surgical patients, diagnostic surgical procedures</li> <li>3. Types of immobilization</li> <li>4. Initial hospitalization and management of the injured</li> <li>5. Surgical wound care</li> <li>6. Surgical infection treatment</li> <li>7. Initial treatment of patients with burns</li> <li>8. Small surgical interventiona</li> <li>9. Operating rooms</li> <li>10. Postoperative care</li> <li>11. Characteristics of thoracic surgery, cardiosurgery, oncologic surgery, paediatric surgery, plastic and reconstructive surgery, vascular surgery, neurosurgery, urology, abdominal surgery, orthopedic surgery, locomotor apparatus injury management</li> </ol> |

**Literature***Compulsory*

1. Townsend C, Beauchamp RD, Evers BM. Sabiston Textbook of Surgery, 19<sup>th</sup> edition. Elsevier Saunders, 2012.
2. Brunnicardi FC. Schwartz's Principles of Surgery, 10<sup>th</sup> edition. McGraw Hill Education, 2015.

*Additional*

Outlines of lectures

**Number of active classes****Theoretical classes: 90****Practical classes: 135****Other classes: 30****Teaching methods****Student activity assessment** (maximally 100 points)**Pre-exam activities****points****Final exam****points**

Lectures

10

Written

10

Practices

20

Oral

50

Colloquium

10

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Essay