

**SYLLABUS**

<b>Program</b>	Medicine
<b>TRACK</b>	Surgery
<b>COURSE</b>	General Surgery
<b>CODE AND CREDITS</b>	33246-18
<b>HOURS</b>	270
<b>TERM:</b>	Starting in 2017/1

**OBJECTIVES:** At the end of the course, students will:

1. Be familiar with the most important aspects associated with surgical treatment for a number of diseases;
2. Take part in diagnostic and therapeutic procedures involving various surgical specialties. Experience pre-operation preparation routines.

**COURSE DESCRIPTION:**

This course will address the following topics: Surgical practice, its main areas and main pathological conditions. Students will have practicum work under the supervision of faculty. The complexity of cases will increase gradually. Students will also have to attend seminars to boost their practical experiences and the bioethical aspects of professional practice.

**METHODOLOGY:**

The course will consist of practicum work, as students will be divided in groups. Groups will take turns. Students will assist patients in outpatient stations, monitor post-operative patients, as well as perform surgeries. In addition to practicum work, students will have large group theory classes as well as seminars in small groups.

**THEORY ACTIVITIES:**

- Introduction to the course and instructions for practical activities;
- Hemorrhoids + Anal Fissure;
- Perianal abscesses and fistulas + pilonidal sinus;
- Colorectal neoplasia (PRETEST);
- Inflammatory bowel disease (large);
- Diverticular disease;
- Acute Abdomen;
- Abdominal Wall Hernias (PRETEST);
- Esophageal cancer;
- Bariatric surgery: indications, techniques and results;
- Pancreatic and biliary cancer;
- Stomach cancer (PRETEST);
- Liver tumors;
- Lower limb varicose veins and venous thrombus;

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- Extracranial vascular disease;
- Acute arterial occlusion (PRETEST);
- Chronic arterial occlusive disease;
- Abdominal aortic aneurysm;
- Urinary Lithiasis;
- Prostate cancer (PRETEST);
- Urology emergencies;
- Renal Neoplasms;
- Prostatic hyperplasia;
- Open Fractures (PRETEST);
- Osteoarticular Infections;
- Low back pain and lumbar sciatic pain (PRETEST);
- Neck pain and cervical root pain;
- Osteodegenerative Injuries;
- Common fractures in older adults;
- Oral Cancer (PRETEST);
- Salivary Gland Disorders;
- Obstructive sleep apnea syndrome and snoring (PRETEST);
- Speech Surgery;
- Neck dissection;
- Mouth breathing syndrome in pediatric patients (emphasis) and adults;
- Intracranial Hypertension (PRETEST);
- Herniated Disks;
- Congenital anomalies of nervous system;
- Spinal cord tumors;
- Bowel obstruction and inflammation (PRETEST);
- Hirschsprung disease;
- Visible pathologies in newborns;
- Abdominal tumors in pediatric patients;
- Cerebrospinal fluid and hydrocephalus (PRE TEST);
- Surgical pathology of the inguinal-scrotal region in pediatric patients;
- Glaucoma;
- Strabismus;
- Cataract (PRETEST);
- Retinal detachment;
- Reconstructive Microsurgery;
- Complex extremity trauma;
- Burns (PRE TEST);
- Congenital limb defects;
- Grafts and flaps;
- Lung cancer;
- Pleural tumors;
- Infectious and inflammatory lung diseases;
- Thoracic emergencies;
- Pleural effusion, chylothorax and empyema;
- General and conduction anesthesia: complications and management;
- Biliary lithiasis and complications.

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**PRACTICUM WORK:**

- Module I: Digestive Surgery and General Surgery;
- MODULE II: Thoracic Surgery, Cardiovascular Surgery and Proctology;
- MODULE III: Neurosurgery, Orthopedics, Plastic Surgery, Hand and Reconstructive Microsurgery;
- MODULE IV: Pediatric Urology and Surgery.

**BIBLIOGRAPHY:**

**BASIC:**

1. DOHERTY G., et al., ed.; Current Surgical: Diagnosis and Treatment. 13 ed. New York: Lange Medical, 2009.
2. TOWNSEND, C.M., Ed. et al.; Sabiston Textbook of Surgery – The Biological Bases of Modern Surgical Practice. 19 Ed. Philadelphia: Elsevier Saunders, 2012.
3. ROHDE, Luiz. Rotinas em cirurgia digestiva. 2. ed. Porto Alegre: ARTMED, 2011.

**COMPLEMENTARY:**

4. BARATA, Henrique Sarmento; CARVALHAL, Gustavo Franco; Urologia: princípios e prática. Porto Alegre: Artes Médicas Sul, 1999.
5. MATOS, D. et al. Guia de coloproctologia. São Paulo: Manole, 2004.
6. COHEN, Moises; Tratado de Ortopedia. São Paulo: Rocca, 2007.
7. HAIMOVICI, H. Cirurgia Vasculare: Princípios e Técnicas. 5. ed. 5. ed. São Paulo: Revinter, 2006.
8. MAKSOUD, J. G. Cirurgia pediátrica. Rio de Janeiro: Revinter, 2003.

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