UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Medicine

Course sylabus – part A

Course code: 48SJO-ITS
Cycle: 2025
ECTS: 2.00

Introduction to Surgery
Introduction to Surgery

SUBJECT MATTER CONTENT:

Classes - Participation in medical briefing and medical rounds. Surgical history of the disease and medical records. Indications for surgical treatment and patient preparation. Perioperative care-monitoring and medical orders. Physical examination of the patient. Change of dressings. Observation and assistance for operations in the operating theater. Practical approach to the topics discussed during tle lectures.

Lecture - 1. Wound healing. 2. Hemostasis and shock. 3. Preparation of patient for surgery and postoperative care. 4. Burns 5. Surgical Infections.

TEACHING OBJECTIVE:

The student's task is to assess the general condition of the patient, identify life-threatening surgical problems. The student must be familiar with the diagnosis of surgical diseases and their initial treatment. The student must know the complications of surgeries and their treatment. It is the student's responsibility to recognize and diagnose the oncological disease in order to refer the patient to appropriate treatment. The student respects patients and medical staff. The student participates in the work of the department and assists in the operation.

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

Symbols for outcomes related to the discipline:
M/NMA_P7S_WG++++++++++++

Symbols for outcomes related to the field of study:
K.1.+, K.2.+, K.3.+, F.U1.+, F.U3.+, F.U4.+, F.U9.+, F.W1.+, F.W3.+, F.W4.+, F.W5.+, F.W7.+

Symbols for outcomes related to the field of study:

W1 - The student knows: - the causes, symptoms, principles of diagnosing and applying therapeutic procedures in most frequent diseases requiring surgical intervention, the uniqueness of infancy taken into account, in particular: 1) acute and chronic abdominal diseases, - the rules of qualifying for basic surgical operations and invasive diagnostic and treatment procedures, the principles of performing them and their most frequent complications; - the rules of perioperative safety, patient preparation for the surgery,

Legal acts specifying learning outcomes: 311/2023;

ISCED Code: -

Status: -

Group of courses: -

Discipline: Medicine

Language: ANG

Classes: Classes (35h); Lecture (10h);

Program: Medicine

Phase: Kierunek lekarski trzeci rok (oferta w jęz. angielskim dla obcokrajowców)

Profile: -

Form: full-time

Level of studies: uniform master's studies

Introductory subject: Anatomy, Physiology, Patophysiology, Patology, Internal Medicine, General Surgery

Prerequisites: Basic knowledge of anatomy, physiology and pathophysiology, mainly relating to wound healing, bleeding, inflammation. Knowledge of the basic concepts of asepsis, antisepsis, basic pathophysiological disorders in surgical treatment. Knowledge of anatomy and physiology of the gastrointestinal tract. Topographic anatomy of the abdominal organs. Basics of tumor biology. Basics for evaluation of surgical patients.

Organized by the unit:

Coordinators:

Przemysław Rymkiewicz,
przemyslaw.rymkiewicz@uwm.edu.pl

performance of general and local anaesthesia and controlled sedation; - post-operative treatment with pain therapy and post-operative monitoring; - indications for and the principles of implementing intensive care; - the issues of the contemporarily employed imaging tests, especially: 1) radiological symptomatology of the basic diseases, 2) the instrumental methods and imaging techniques used in medical surgeries, 3) the indications, contraindications, and patient preparation for individual types of imaging tests, and contraindications against the use of contrast agents;

U1 - Student knows: - conduct complete and targeted physical examination of an adult patient; - plan specialist consultations; - keep the patient's medical records; - assist in typical surgical procedures, prepare the operative field, and apply local anaesthesia of the surgical field; - use basic surgical instruments; - apply the rules of asepsis and antiseptics; - dress a simple wound, apply and change sterilised surgical dressing; - examine the nipples, lymph nodes, the thyroid gland, and the abdomen for acute abdomen and conduct finger examination through the rectum; - stop external bleedings;

K1 - Student knows: - establishing and maintaining a deep and respectful contact with the patient, as well as showing understanding for worldview and cultural differences; - being guided by the good of the patient; - observance of medical confidentiality and patient rights; - taking actions towards the patient based on ethical principles, with the awareness of social conditions and limitations resulting from the disease

Symbols for outcomes related to the field of study:

Classes - ['W1', 'U1', 'K1'] - Participation in medical briefing and medical rounds. Examination of the patient and discussing his case with the teacher. Observation and assistance for operations in the operating theater.

Lecture - ['W1', 'U1', 'K1'] - Lecture with a multimedia presentation

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Classes (Competention test) - [] - Passing test during the last exercises.

Lecture (Part in the discussion) - ['W1', 'U1', 'K1'] - The presence at lectures, active participation in discussions

Literature:

1. Greenfield's Surgery: Scientific Principles and Practice, M. W. Mulholland, K. D. Lillemoe, G. M. Doherty; Wolters Kluwer/Lippincott Williams & Wilkins; 2016; Pages: ; Tome: ; Required literature
2. Sabiston Textbook of Surgery, Courtney M. Townsend; Elsevier; 2021; Pages: ; Tome: ; Complimentary literature

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Detailed description of ECTS credits awarded - part B

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1. Contact hours with the academic teacher:

- participation in: Classes	35 h
- participation in: Lecture	10 h
- consultation	2 h
	Total: 47 h

Independent work of a student:

- Student's independent work deepening literature	3.00 h
	Total: 3.00 h

1 ECTS credit = 25-30 h of an average student’s work, number of ECTS

ECTS Points = 50.00 h : 25 h/ECTS = 2.00 ECTS

Average: 2.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher - 1.88 ECTS pts

- including the number of ECTS credits for hours of independent work of a student - 0.12 ECTS pts