UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Medicine

Course sylabus – part A

USOS Code: 48SJO-SUR13
ECTS: 6.00
Cycle: 2026

Surgery 1/3
Surgery 1/3

SUBJECT MATTER CONTENT:

Lecture – Lecture with a multimedia presentation

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 the lectures.

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.+, K.4.+, F.U3.+, F.U4.+, F.U9.+, F.W1.+, F.W3.+, F.W4.+, F.W6.+, F.W7.+, F.W9.+

LEARNING OUTCOMES:

Legal acts specifying learning outcomes: 311/2023;

Discipline: Medicine

Course status: Obligatory

Group of courses: B - major course

ISCED Code: 0912

Field of studies: Medicine

Field: Medicine

Learning profile: -

Form of studies: full-time

Level of studies: uniform master's studies

Year/Semester: 4th year, Medicine in English

Classes types: Classes; Lecture;

Classes: Classes (85h); Lecture (20h);

Language: ANG

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 responsible for the course:

Natalia Dowgiałło-Gornowicz,
natalia.dowgiallo@uwm.edu.pl

Knowledge (W1) – F.W1. Causes, symptoms, diagnostic principles, and therapeutic procedures for the most common conditions requiring interventional treatment in adults: 1) acute and chronic abdominal cavity diseases; F.W3. Basic classical and minimally invasive surgical techniques; F.W4. Principles of qualification for basic surgical and invasive diagnostic-therapeutic procedures and common complications; F.W6. Principles of perioperative safety, patient preparation for surgery, administration of general and local anesthesia, and controlled sedation; F.W7. Principles of postoperative care with analgesic therapy and postoperative monitoring; F.W9. Guidelines for cardiopulmonary resuscitation in newborns, children, and adults; F.W10. Most commonly occurring life-threatening conditions in children and adults and principles of management in these conditions, particularly in: 1) sepsis; 2) shock; 3) hemorrhage; 4) fluid-electrolyte and acid-base disturbances; 5) intoxications; 6) burns, hypo- and hyperthermia; 7) other acute conditions of: a) cardiovascular, b) respiratory, c) neurological, d) renal, e) oncological and hematological, f) diabetic and endocrinological, g) psychiatric, h) ophthalmological, i) otolaryngological, j) gynecological, obstetric, and urological origin.

Skills (U1) – In terms of skills, the student is able to: F.U1. Surgically scrub hands, don sterile gloves, dress for surgery or a procedure requiring sterility, prepare the operative field according to aseptic principles, and participate in surgical procedures; F.U2. Apply and change sterile dressings; F.U3. Assess and manage simple wounds, including local anesthesia (surface, infiltration), apply and remove surgical sutures, apply and change sterile surgical dressings; F.U4. Recognize the most common life-threatening conditions, including through the use of various imaging techniques; F.U8. Manage external bleeding.

Social competences (K1) – 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:

Lecture – ['W1', 'U1', 'K1'] – The presence at lectures, active participation in discussions

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. Short tests to check knowledge during classed. Additionally, each student is required to prepare an essay (4 pages a4) on the given topic

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Classes (Esey) – ['W1', 'U1', 'K1'] – 4 pages a4 on the given topic

Additional notes:

Lecture (Part in the discussion) – [] – The presence at lectures, active participation in discussions

REQUIRED LITERATURE:

1. **Chirurgia**

   Wojciech Noszczyk; PZWL; 2011; Pages: ; Tome: ;

2. **Podstawy Chirurgii**

   Jacek Szmidt, Jarosław Kużdżał; PZWL; 2010; Pages: ; Tome: ;

3. **Greenfield's Surgery: Scientific Principles and Practice**

   M. W. Mulholland, K. D. Lillemoe, G. M. Doherty; Wolters Kluwer/Lippincott Williams & Wilkins; 2016; Pages: -; Tome: -;

COMPLIMENTARY LITERATURE:

1. **Ostry brzuch**

   Jan Kulig; PZWL; 2007; Pages: ; Tome: ;

2. **Chirurgia repetytorium**

   Wojciech Noszczyk; PZWL; 2021; Pages: ; Tome: ;

3. **Sabiston Textbook of Surgery**

   Courtney M. Townsend; Elsevier; 2021; Pages: -; Tome: -;

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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	85 h
- participation in: Lecture	20 h
- consultation	2 h
	Total: 107 h

Independent work of a student:

- Preparation for classes, studying literature	43.00 h
	Total: 43.00 h

contact hours + independent work of a student Total: 150.00 h

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

ECTS Points = 150.00 h : 25 h/ECTS = 6.00 ECTS

Average: 6.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher - 4.28 ECTS pts

- including the number of ECTS credits for hours of independent work of a student - 1.72 ECTS pts