Załącznik nr 5 do zarządzenia nr 189/2025

COURSE SPECIFICATION

Course code: 0912-7LEK-C8.3-S
Course title in Polish: Chirurgia – praktyczne nauczanie kliniczne
Course title in English: Surgery - clinical teaching and practice

1. Placement of the course within the study programme

1.1. Field of study	Medicine
1.2. Mode of study	Full-time
1.3. Level of study	Uniform Master's study
1.4. Profile of study	General academic
1.5. Course specification author	Dr n. med. Łukasz Nawacki
1.6. Contact	lukasz.nawacki@ujk.edu.pl

2. Generał characteristics of the course

2.1. Language of instruction	English
2.2. Entry requirements	completion of General Surgery course (lectures, seminars, practical classes in years III–V); knowledge of anatomy, physiology, pathophysiology, internal medicine; ability to perform medical interview and physical examination.

3. Detailed characteristics of the course

3.1. Type of classes	Clinical internships – 120 didactic hours.
3.2. Place of course delivery	Classes are conducted exclusively in the form of practical clinical training in surgical wards and operating theatres.
3.3. Form of assessment	Teaching takes place directly at the patient's bedside, during ward rounds, consultations, medical reports, and in the operating room.
3.4. Teaching methods	Students actively participate in patient examination, diagnostic and therapeutic procedures, as well as in perioperative care.
3.5.a. Basic reading list	credit with a grade; each surgical department conducts its own assessment; the final grade is the arithmetic mean of grades from all rotations.
3.5.b. Supplementary reading list	bedside teaching, case-based discussion, ward rounds, participation in medical reports, assistance in surgical procedures, practice of basic surgical skills, simulation of selected procedures and emergencies.

4. Objectives, content and learning outcomes

4.1. Course objectives (taking into account the form of classes)
Lectures (including e-learning)

C1. To familiarize students with the organization and functioning of surgical wards and the operating theatre.
C2. To develop skills in clinical examination, history taking, documentation, and interpretation of additional tests.
C3. To acquire practical competencies in the diagnosis and management of acute surgical conditions.
C4. To master basic surgical procedures (suturing, dressings, catheterization, peripheral venous access, drainage, assisting in surgery).
C5. To foster professional attitudes, including ethical responsibility, teamwork, and communication with patients and healthcare staff.

4.2. Course content (taking into count the form of classes)

Lecture

1. Clinical work in surgical wards: participation in rounds, consultations, patient care, documentation.
2. Diagnostics: medical interview, physical examination, interpretation of laboratory and imaging results.
3. Management of acute surgical conditions (acute abdomen, GI bleeding, bowel obstruction, perforations, trauma, burns).
4. Perioperative care: preoperative preparation, postoperative monitoring, prevention of complications.
5. Basic surgical procedures: suturing, dressings, catheterization, IV access, drainage, wound care.
6. Assistance in open and laparoscopic surgeries, exposure to endoscopy.
7. Clinical training in various departments: general surgery, oncology, vascular, thoracic, endocrine, urology, orthopedics, neurosurgery and others.

4.3. Course learning outcomes

Course learning outcomes (code)	Upon completion of the course, the student	Alignment with programme learning outcomes
	in the area of **ABILITIES**, the graduate knows how to:	
U01	conduct a review of medical history of the adult patient;	E.U1.
U02	conduct full and targeted physical examination of the adult patient;	E.U3.
U03	assess patient's general condition, consciousness and awareness;	E.U7.
U04	perform differential diagnosis of the most common diseases in adults and children;	E.U12.
U05	assess and describes the somatic and mental state of patients;	E.U13.
U06	recognize states of a direct threat to life;	E.U14.
U07	recognize when a patient is under the influence of alcohol, drugs and other addictive products;	E.U15.
U08	plan diagnostic, therapeutic and preventive procedures	E.U16.
U09	conduct analysis of the potential side effects of each drug and the interaction between them	E.U17.
U10	propose individualization of existing guidelines and other therapeutic treatments in the case of non-effectiveness of or contraindications to standard therapy	E.U18.
U11	recognize signs of drug dependency and propose a treatment procedure;	E.U19.
U12	qualify the patient for home treatment and hospitalization;	E.U20.
U13	recognize states in which functional status of the patient's or his/her preferences restrict the treatment in accordance with specific guidelines for the disease;	E.U21.
U14	interpret laboratory test results and identify the reasons for deviations;	E.U24.
U15	apply dietary treatment with the consideration of enteral and parenteral feeding;	E.U25.
U16	plan treatment in the case of exposure to infection transmitted through blood;	E.U26.

U17	collect and secure samples of material used in laboratory diagnostics;	E.U28.
U18	perform basic medical procedures and treatments, including: 1) measurement of body temperature, pulse measurement, non-invasive blood pressure measurement, 2) monitoring of vital signs using a cardio-monitor or pulse oximetry, 3) spirometry, oxygen therapy, assisted and control mode ventilation 4) introduction of the oropharyngeal tube, 5) intravenous injection , intramuscular and subcutaneous injections, cannulation of peripheral veins, collection of peripheral venous blood, collection of arterial blood, collection arterialized capillary blood, 6) collecting swabs from the nose, throat and skin, puncture of pleural cavity, 7) catheterization of the urinary bladder in women and me, nasogastric intubation, gastric lavage, enema, 8) standard electrocardiogram along with its interpretation, cardioversion and defibrillation of the heart, 9) simple test strips and measuring the concentration of glucose in the blood;	E.U29.
U21	implement the basic therapeutic procedure in acute poisoning;	E.U33.
U22	monitor the status of a patient poisoned by chemical substances or drugs;	E.U34
U24	recognize the agony of the patient and pronounce him/her dead;	E.U37.
U25	keep medical records of the patient.	E.U38.
U28	comply with the aseptic and antiseptic rules;	F.U3.
U30	use peripheral venous catheter	F.U5.
U31	examine nipples, lymph nodes, thyroid gland and the abdominal cavity in terms of acute abdomen and perform finger test through the anus;	F.U6.
U35	perform basic resuscitation with automated external defibrillator and other rescue activities and provide first aid;	F.U10.
U39	issue medical certificates for the needs of patients, their families and other entities;	G.U8.
U40	recognize symptoms indicating the possibility of using violence against the child during his/her examination;	G.U9.

in the area of social competences:

K01	establish and maintain deep and respectful contact with the patient and show understanding towards ideological and cultural differences;	H.S1.
K02	do what is right for the patient;	H.S2.
K03	respect medical confidentiality and patient's rights;	H.S3.
K04	take actions concerning the patient on the basis of ethical principles, being aware of social conditions and restrictions resulting from illness;	H.S4.
K05	recognize his/her own limitations and self-evaluate educational deficiencies and needs;	H.S5.
K06	promote healthy lifestyle;	H.S6.
K07	use reliable information sources;	H.S7.
K08	conclude on the basis of own surveys and observations;	H.S8.
K09	introduce rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment;	H.S9.
K10	give opinions concerning various aspects of professional activity;	H.S10.
K11	take responsibility for own decisions made during professional activities including own safety and safety of other people;	H.S11.

4.4. Assessment methods for learning outcomes

Assessment method (+/-)

Course learning outcomes (code)	Oral/written/ practical examinaion /other (specify)*	Test*	Project*	In-class activity*	Independent study*	Group work*	Other (specify)*

Type of classes

1: / 2:	L	S	…	L	S	…	L	S	…	L	S	…	L	S	…	L	S	…	L	S	…
W01												X			X						
W02												X			X						
U01-U15												X			X						
K01-K11												X			X						

Annotation. 1: form of classes; 2: learning outcomes

4.5. Assessment criteria for learning outcomes

Type of classes:

Practical classes (cl) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
3,0	• **3.0:** student has basic skills, requires continuous supervision, difficulties in independent action.
3,5	• **3.5:** performs simple tasks with partial assistance, able to take history and examine patient with guidance.
4,0	• **4.0:** performs standard procedures independently, examines patients correctly, keeps documentation, assists in surgery.
4,5	• **4.5:** demonstrates high manual skills and independence, integrates knowledge with practice, actively participates in operations.
5,0	• **5.0:** very good manual and clinical skills, performs procedures fluently, independently evaluates and proposes management, critically assesses own actions, shows maturity in teamwork.

5. ECTS credit allocation – student workload

Category	Student workload (full-time mode)
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER (CONTACT HOURS)	**120**
Participation in lectures*	
Participation in seminars/laboratories*	120
Other (specify) e.g. classes conducted with the use of distance learning methods and techniques*	
INDEPENDENT STUDY (NON-CONTACT HOURS)	**80**
Preparation for lectures*	
Preparation for seminars/laboratories*	80
Preparation for examination/test*	
Gathering materials for project, online research*	
Preparation of a multimedia presentation*	
Other (specify)*	

TOTAL HOURS	**200**
ECTS CREDITS for the course	**8**

*** delete as appropriate**

Approved for implementation (date and legible signatures of course instructors in the given academic year):

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