Załącznik nr 5 do zarządzenia nr 189/2025

COURSE SPECIFICATION

Course code: 0912-7LEK-C6,5-OS
Course title in Polish: Chirurgia onkologiczna
Course title in English: Oncological Surgery

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.Krzysztof Kurczych
1.6. Contact	Kurczych Krzysztof <Krzysztof.Kurczych@onkol.kielce.pl>; Krzysztof Kurczych <kurczychk@poczta.onet.pl>

2. Generał characteristics of the course

2.1. Language of instruction	English
2.2. Entry requirements	University courses in: Pathomorphology, Pathophysiology, Internal Medicine, General Surgery, Oncology

3. Detailed characteristics of the course

3.1. Type of classes	**LECTURE: 15 (including 3 h of e-learning),** **ĆLASSES 10 PRACTICAL** **CLASSES- 20**
3.2. Place of course delivery	Traditional learning activities: Collegium Medicum UJK, Radiowa Street, Kielce – University seminar / lecture rooms, Distant Teaching / e-learning (on-line): by the Microsoft Teams with on-line connection between teacher and students, Practical classes with clinical mentoring: Świętokrzyskie Centrum Onkologii (Holy Cross Cancer Centre), Artwiński Street, Kielce – Operating Theatre, seminar / lecture rooms, patients rooms
3.3. Form of assessment	CLASSES (seminars) – credit with a grade based on: written exam (multiple choice-test), computerized quizzes, attendance, activity during classes, PRACTICAL CLASSES (practical tuition/mentoring)) – credit with a grade based on: written exam (multiple choice-test), computerized quizzes, attendance, activity during classes, E-LEARNING – pass based on: computerized quiz, connection during learning activity, activity, LECTURES – written exam (multiple-choice test). Lectures are mandatory in accordance with Chapter III, §7, subsection 3, point 2.
3.4. Teaching methods	Presenting methods: informative lectures, instructions based on the recognized good-practice guidelines, medical films from internet (with open-access status) with clinical problems and operations, medical anecdotes including celebrities, clinical simulations based on compilation of real situations from the real historical patients. Problem-concerned teaching: case-based discussion, simulation of medical situations with student brain-storming. Activating methods: quizzes with Microsoft Forms on the material from lectures and films available on internet.

3.5.a. Basic reading list	1. Garden O J, Parks R W, Wigmore S J, Principles and Practice of Surgery, 8th edition, Elsevier Heath Europe, India, 2023. 2. ESMO Guidelines: https://www.esmo.org/guidelines Access [2025.09.02]
3.5.b. Supplementary reading list	1. Poston G J, Wyld L, Audisio R A, Surgical Oncology: Theory and Multidisciplinary Practice, 2nd Edition CRC Press, USA, 2020. 2. Agarwal A, Jeyarajah S, Harries R, Weerakkody R, McLatchie G, Borley N, Oxford Handbook of Clinical Surgery, Oxford University Press, China, 2021 3. Cassidy J, Bissett D, RAJ, Payne M, Morris-Stiff G, Oxford Handbook of Oncology, 4th edition, Oxford University Press, China, 2015. 4. NCCN Guidelines: https://www.nccn.org/profile Access [2025.09.02]

4. Objectives, content and learning outcomes

4.1. Course objectives (taking into account the form of classes)

Lectures (including e-learning)

C1. Familiarisation with work of surgical oncology department.
C2. Surgical input in the combined modality treatment in oncology (principles of surgical oncology).
C3. Cooperation between surgeon and clinical (radiation and medical) oncologists.
C4. Principles of cooperation with departments of: chemical pathology, diagnostic imaging, microbiology, endoscopy and histopathology.
C5. Principles of the preoperative patient preparation for benign and malignant neoplasms.
C6. Surgical treatment of solid tumours (epithelial, soft tissue and bone sarcomas, melanoma).
C7. Management of advanced, unresectable and / or disseminated malignant neoplasms
C8. Surgical management of emergencies in oncology.
C9. Prophylactic (preventive) surgery.

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

Lectures

Lectures (one of the topics performed as e-learning)

C1. General principles of antibiotic therapy, thromboembolism prophylaxis and artificial nutrition in surgical oncology..
C2. Skin, soft tissue and bone malignancies.
C3. Breast malignancies.
C4 Digestive tract malignancies..
C5. Thyroid, parathyroid and adrenal malignancies.
C6. Familial cancer syndromes, prophylactic surgery, screening tests in oncology.

Classes (Seminars)

C1. Planning of oncology treatment: principles of cancer clinical staging and optimal treatment sequencing.

C2. The most common malignancies in the digestive tract (large bowel cancer, gastric cancer, pancreatic cancer, primary liver cancer) – case-based discussion. Classical (open) and laparoscopic surgery in oncology.
C3. Breast cancer and skin melanoma - case-based discussion. Sentinel lymph node biopsy technique and importance in breast cancer and skin melanoma.
C4. Follow-up patient care after cancer treatment.

Practical Classes
C1 Planning of oncology treatment: principles of cancer clinical staging and optimal treatment sequencing. Oncology-profiled interpretation of medical imaging. Emergencies in Oncological Surgery.
C2. The most common malignancies in the digestive tract (large bowel cancer, gastric cancer, pancreatic cancer, primary liver cancer) – case-based discussion. Classical (open) and laparoscopic surgery in oncology.
C3. Breast cancer and skin melanoma - case-based discussion. Sentinel lymph node biopsy technique and importance in breast cancer and skin melanoma.
C4. Disseminated neoplasm of unknown origin. Follow-up patient care after cancer treatment. Hospice care. Palliative Medicine.

Depending on available patients: Practical tutorials in a surgical oncology department during Practical Classes ('playing doctors")– case-based studies according to educational curriculum – diagnosis, treatment, physiotherapy and occupational therapy, adjuvant radiotherapy in oncology.

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 knowledge:	
W01	eligibility rules for basic surgeries, invasive diagnostic and treatment procedures, principles concerning conducting these procedures and most common complications;	F.W3.
W02	perioperative safety rules, preparing a patient for surgery, general and local anesthesia and controlled sedation	F.W4.
W03	postoperative treatment and analgesic therapy as well as post-operative monitoring;	F.W5.
W04	the issues concerning modern imaging tests, in particular: 1) radiological symptomatology of basic diseases, 2) instrumental methods and imaging techniques used to perform medical procedures, 3) the indications, contraindications and preparation of patients to particular types of imaging tests and contraindications the use of contrast agents;	F.W10.
	in the area of skills:	
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	plan diagnostic, therapeutic and preventive procedures;	E.U16.
U08	conduct analysis of the potential side effects of each drug and the interaction	E.U17.

	between them;	
U10	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.
U11	interpret laboratory test results and identify the reasons for deviations;	E.U24.
U12	assist when the following procedures and medical treatments are performed: 1) transfusions of blood and blood products, 2) drainage of the pleural cavity, 3) puncture of the pericardium, 4) puncture of the peritoneal cavity, 5) lumbar puncture, 6) needle biopsy, 7) epidermal tests, 8) intradermal and scarification tests and interpret their results;	E.U30.
U13	plan specialist consultations;	E.U32.
U14	evaluate decubitus and apply appropriate dressings;	E.U35.
U15	assist during a typical surgery, prepare the surgical site and locally anesthetize operated area;	F.U1.
U16	comply with the aseptic and antiseptic rules	F.U3.
U17	manage simple wounds and change sterile surgical dressing;	F.U4.
U18	examine nipples, lymph nodes, thyroid gland and the abdominal cavity in terms of acute abdomen and perform finger test through the anus	F.U6.
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.

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-W04	+	+	+	+	+	+					+	+	+	+	+			+	+	+	+
U01-U15			+	+	+	+					+	+	+	+	+			+	+	+	+
K01-K11			+	+	+	+					+	+	+	+	+			+	+	+	+

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

4.5. Assessment criteria for learning outcomes

Type of classes:

LECTURE (L) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
	Written exam (multiple choice test)
3,0	Test result: 61%- 68%
3,5	Test result: 69%-76%
4,0	Test result: 77%-84%
4,5	Test result: 85%-92%
5,0	Test result: 93%-100%

Type of classes:

SEMINAR (S) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
	Weigthed-average result from: attendance (weight 1), computerized quizzes (weight 2), written final test (weight 3).
3,0	Test result: 61%- 68%
3,5	Test result: 69%-76%
4,0	Test result: 77%-84%
4,5	Test result: 85%-92%
5,0	Test result: 93%-100%

Type of classes:

OTHER (...) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
	Weigthed-average result from: attendance (weight 1), computerized quizzes (weight 2), written final test (weight 3).
3,0	Test result: 61%- 68%
3,5	Test result: 69%-76%
4,0	Test result: 77%-84%
4,5	Test result: 85%-92%
5,0	Test result: 93%-100%

5. ECTS credit allocation – student workload

Category	Student workload (full-time mode)
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER (CONTACT HOURS)	***45***

Participation in lectures*	12
Participation in seminars/laboratories*	30
Other (specify) e.g. classes conducted with the use of distance learning methods and techniques*	3
INDEPENDENT STUDY (NON-CONTACT HOURS)	**5**
Preparation for lectures*	5
Preparation for seminars/laboratories*	
Preparation for examination/test*	
Gathering materials for project, online research*	
Preparation of a multimedia presentation*	
Other (specify)*	
TOTAL HOURS	***50***
ECTS CREDITS for the course	**2**

*** delete as appropriate**

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

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