Załącznik nr 5 do zarządzenia nr 189/2025

COURSE SPECIFICATION

Course code: 0912-7LEK-C-On

Course title in Polish: Onkologia
Course title in English: Oncology

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 hab. Kędzierawski Piotr
1.6. Contact	piotr.kedzierawski@ujk.edu.pl

2. Generał characteristics of the course

2.1. Language of instruction	English
2.2. Entry requirements	Basic knowledge of oncology

3. Detailed characteristics of the course

3.1. Type of classes	Lectures (including e-learning), classes, Practical Classes
3.2. Place of course delivery	The Faculty of Medicine Jan Kochanowski University, Holycross Cancer Centre, 3 Artwiński Street
3.3. Form of assessment	Test
3.4. Teaching methods	Lecture with conversation, Multimedia presentation, Case presentation, Disscusion, Seminars, Practical classes
3.5.a. Basic reading list	Oncology Lecture Notes M. Bower, J. Waxman 3rd Edition Basic Science of Oncology, 5th Edition ISE, Ian F. Tannock
3.5.b. Supplementary reading list	Presented lectures

4. Objectives, content and learning outcomes

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

- **C1** Epidemiology, diagnostics, therapy of cancers
- **C2** The principles of cancer pain treatment
- **C3** Screening in oncology
- **C4** The specificity of working with oncological patients

Lectures (including e-learning).

1. Cancer epidemiology and factors related to their occurrence.
2. Oncogenesis, tumor biology, and their susceptibility to treatment.
3. Basic symptomatology of cancer. Diagnostic tests used in oncology.
4. Combined treatment in oncology.
5. Basics of systemic treatment.
5. The role of radiotherapy in oncology.
7. Emergencies in oncology.

Classes

1. Workflow organization in an oncology facility in Poland – inpatient and day care units, and oncology clinics.
2. Gastrointestinal cancers - from diagnosis to recovery
3. Introduction to radiotherapy.
4. Oncological surgery - radical, palliative, reconstructive, and preventive.

Practical Classes

Exercise 1. Breast cancer- epidemiology, etiology, clinical symptoms, treatment
Exercise 2. Prostate cancer - epidemiology, etiology, clinical symptoms, treatment
Exercise 3. Communication with oncological patient. Gynecological cancers - epidemiology, etiology, clinical symptoms, treatment
Exercise 4. Head and neck cancer - epidemiology, etiology, clinical symptoms, treatment

Course content (taking into count the form of classes) Lectures

1. Cancer epidemiology and factors related to their occurrence.
2. Basic symptomatology of cancer. Diagnostic tests used in oncology.
3. Combination therapy in oncology.
4. Basics of systemic treatment.
5. The role of radiotherapy in oncology.
6. Emergencies in oncology.

(including e-learning)

1. Oncogenesis, tumor biology, and their susceptibility to treatment.

Classes

1.Workflow organization in an oncology facility in Poland – inpatient and day care units, and oncology clinics.
2. Gastrointestinal cancers - from diagnosis to recovery
3. Introduction to radiotherapy.
4. Oncological surgery – radical, palliative, reconstructive, and preventive.

Practical classes

Exercise 1. Breast cancer- epidemiology, etiology, clinical symptoms, treatment
Exercise 2. Prostate cancer - epidemiology, etiology, clinical symptoms, treatment
Exercise 3. Communication with oncological patient. Gynecological cancers - epidemiology, etiology, clinical symptoms, treatment
Exercise 4. Head and neck cancer - epidemiology, etiology, clinical symptoms, treatment

4.2. Course learning outcomes

Course learning outcomes (code)	Upon completion of the course, the student	Alignment with programme learning outcomes
	in the area of knowledge knows and understands:	

W01	environmental and epidemiological conditions for the most common diseases;	E.W1.
W02	environmental and epidemiological conditions of the most common human cancers;	E.W23.
W03	the basis of early detection of cancer and principles of screening in oncology;	E.W24.
W04	the possibilities of modern cancer therapy including multimodal therapy, the prospects for cell and gene therapies and their adverse effects;	E.W25.
W05	the principles of combination therapies in oncology, algorithms for diagnostic and therapeutic procedures in most common of human cancers;	E.W26.
W06	principles of diagnosis and therapeutic management of the most common problems of palliative medicine, including: 1) the symptomatic treatment of the most common somatic symptoms, 2) the procedures applied in cancer cachexia syndrome and the prevention and treatment of bedsores, 3) the most common emergencies in palliative medicine;	E.W27.
W07	the rules of palliative procedures for the terminally ill patients;	E.W28.
W08	the principles concerning the treatment of pain, including cancer and chronic pain;	E.W29.

in the area of skills knows how to:

U01	make a decision, if need be, to perform cytogenetic and molecular tests;	C.U3.
U02	conduct full and targeted physical examination of an adult patient;	E.U3.
U03	assess a 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 describe 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 between them;	E.U17.
U09	qualify the patient for home treatment and hospitalization;	E.U20.
U10	recognize states in which functional status of a patient 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	apply dietary treatment with the consideration of enteral and parenteral feeding;	E.U25.
U13	plan specialist consultations;	E.U32.
U14	comply with the aseptic and antiseptic rules;	F.U3.

in the area of social competences is able to:

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	H.S5.

	and needs;	
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.

4.3. 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- W08	x			x	x						x			x			x				
U01-U14	x			x	x						x			x			x				
K01-K11	x			x	x						x			x			x				

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

4.4. 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
3,0	Basic mastering of content, chaotic answers, supplementary questions necessary. 61% - 68%
3,5	Basic mastering of content, systematic answers, still needs a teacher's assistance. 69% - 76%
4,0	Basic mastering of content, systematic and own answers. Problem solving in typical situations. 77% - 84%
4,5	The range of presented knowledge exceeds the basic level based on supplemented writings. Problem solving in new and complex situations. 85 % -92%
5,0	The range of presented knowledge exceeds the basic level based on individually obtained scientific sources. 93% - 100%

Type of classes:

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

Grade	Assessment criteria
3,0	Basic mastering of content, chaotic answers, supplementary questions necessary. 61% - 68%
3,5	Basic mastering of content, systematic answers, still needs a teacher's assistance. 69% - 76%
4,0	Basic mastering of content, systematic and own answers. Problem solving in typical situations. 77% - 84%
4,5	The range of presented knowledge exceeds the basic level based on supplemented writings. Problem solving in new and complex situations. 85 % -92%
5,0	The range of presented knowledge exceeds the basic level based on individually obtained scientific sources. 93% - 100%

Type of classes:

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

Grade	Assessment criteria
3,0	Basic mastering of content, chaotic answers, supplementary questions necessary. 61% - 68%
3,5	Basic mastering of content, systematic answers, still needs a teacher's assistance. 69% - 76%
4,0	Basic mastering of content, systematic and own answers. Problem solving in typical situations. 77% - 84%
4,5	The range of presented knowledge exceeds the basic level based on supplemented writings. Problem solving in new and complex situations. 85 % -92%
5,0	The range of presented knowledge exceeds the basic level based on individually obtained scientific sources. 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)	**55**
Participation in lectures*	**12**
Participation in seminars/laboratories*	**40**
Other (specify) e.g. classes conducted with the use of distance learning methods and techniques*	**3**
INDEPENDENT STUDY (NON-CONTACT HOURS)	**45**
Preparation for lectures*	**10**
Preparation for seminars/laboratories*	**35**
Preparation for examination/test*	

Gathering materials for project, online research*	
Preparation of a multimedia presentation*	
Other (specify)*	
TOTAL HOURS	**100**
ECTS CREDITS for the course	**4**

*** delete as appropriate**

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

……