

## THE SUBJECT CHART

<b>Subject code</b>	0912-7LEK-C5.6-O	
<b>Subject name</b>	Polish	<i>Onkologia</i> <i>Oncology</i>
	English	

### 1. SUBJECT PLACEMENT IN THE COURSE OF STUDIES

<b>1.1. The field of studies</b>	medical
<b>1.2. The form of studies</b>	full-time
<b>1.3. The level of studies</b>	uniform Master's studies
<b>1.4. The profile of studies</b>	practical
<b>1.5. Specialty</b>	none
<b>1.6. The unit conducting the subject</b>	The School of Medicine at the Faculty of Medicine of Jan Kochanowski University (JKU)
<b>1.7. The Person preparing the Subject Chart</b>	Piotr Kędzierawski MD PhD
<b>1.8. The Person responsible for the Subject Chart</b>	Piotr Kędzierawski
<b>1.9. Contact</b>	stanislawgo@onkol.kielce.pl

### 2. GENERAL CHARACTERISTICS OF THE SUBJECT

<b>2.1. Afiliation to the module</b>	Clinical sciences
<b>2.2. Language of lectures</b>	English
<b>2.3. An academic term of realization of the subject</b>	7th
<b>2.4. Prerequisites</b>	Basic knowledge of oncology

### 3. DETAILED CHARACTERISTICS OF THE SUBJECT

<b>3.1. The form of classes</b>	<b>Lectures - 15 hours, Practical classes - 25 hours</b>	
<b>3.2. The place of classes</b>	The Faculty of Medicine Jan Kochanowski University, Holycross Cancer Centre, 3 Artwiński Street	
<b>3.3. The credit form</b>	<b>Lectures - pass, Exercises - test</b>	
<b>3.4. Didactic methods</b>	Lecture with conversation, Multimedia presentation, Case presentation, Discussion, Seminars, Practical classes	
<b>3.5. The list of literature</b>	<b>Basic</b>	Oncology Lecture Notes M. Bower, J. Waxman 3rd Edition Basic Science of Oncology, 5th Edition ISE, Ian F. Tannock
	<b>Supplementary</b>	Presented lectures

### 4. GOALS AND EFFECTS OF EDUCATION

<b>4.1. The purpose of the subject</b>
<ul style="list-style-type: none"> <li>C1 Epidemiology, diagnostics, therapy of cancers</li> <li>C2 The principles of cancer pain treatment</li> <li>C3 Screening in oncology</li> <li>C4 The specificity of working with oncological patients</li> </ul>
<b>4.2. Contents of the programme</b>
<p><b>Lectures - 15 hours</b></p> <ul style="list-style-type: none"> <li>1. The epidemiology of cancers. Screening in oncology.</li> <li>2. Oncogenesis and cancers biology.</li> <li>3. Basic symptomatology in oncology. Diagnostics</li> <li>4. Combined treatment in oncology.</li> <li>5. Systemic treatment in oncology.</li> <li>6. Radiation therapy in oncology.</li> <li>7. Emergencies in oncology.</li> </ul>

**Seminars - 12 hours + Exercises - 25 hours**

Days: 4 (Monday- Thursday)

8-10.15 - seminars 3 hours each, place: A conference hall, the main building, floor 2

10.30-15.00 or 15.45 - practical classes, place: Clinical Oncology, Radiotherapy and Gynecology Clinics, information about the place of practical classes to be passed during a seminar (the first seminar subject is realised with a week in advance)

**Subjects of seminars**

1. Oncological surgery - radical, palliative, reconstructive, profilactic.
2. Organization of the work in oncological hospital.
3. Systemic therapy in the stationary clinic and the outpatient clinic.
4. Basics of radiation oncology.
5. Pediatric oncology.

**Practical classes - 25 hours per 1 group, the number of groups - 2**

**Time: (6 hrs x 45 min) - a student stays in 1-3 clinics**

Lung cancer - diagnostics, clinical symptoms, treatment.

Gastrointestinal cancers - diagnostics, clinical symptoms, treatment.

(Tuesday, Thursday)

Place: Clinical Oncology Clinic, floor 2

Breast cancer - diagnostics, symptoms, treatment

Prostate cancer - diagnostics, symptoms, treatment

(Monday, Wednesday)

Place: Radiotherapy Clinic, ground floor

Gynecological cancers

(Tuesday, Thursday)

Place: Gynecology Clinic, floor 1

Head and neck cancers, Brain tumours

(Monday, Wednesday)

Place: Radiotherapy Clinic, ground floor

An exam follows passes of seminars and exercises.

The time of an exam to be determined.

### 4.3. Subject educational outcomes

Code	A student who passed the course,	Relation to teaching outcomes
within the scope of <b>KNOWLEDGE</b> , 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.
within the scope of <b>ABILITIES</b> , 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	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.
U14	plan specialist consultations;	E.U32.
U15	comply with the aseptic and antiseptic rules;	F.U3.

4.4. The ways of verification of reaching subject educational outcomes																						
Educational outcomes		The manner of verification(+/-)																				
		Oral/written exam*			Colloquium *			Project*			Class activeness *			Own work*			Team work*			Others (which ones?)*		
		Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes					
		L	E	...	L	E	...	L	E	...	L	E	...	L	E	...	L	E	...	L	E	...
W01				x	x								x						x			
W02				x	x								x						x			
W03				x	x								x						x			
W04				x	x								x						x			
W05				x	x								x						x			
W06				x	x								x						x			
U01				x	x								x						x			
U02				x	x								x						x			
U03				x	x								x						x			
U04				x	x								x						x			
U05				x	x								x						x			
U06				x	x								x						x			
U07				x	x								x						x			
U08				x	x								x						x			
U09				x	x								x						x			
U10				x	x								x						x			
U11				x	x								x						x			
U12				x	x								x						x			
U13				x	x								x						x			
U14				x	x								x						x			

\*remove unnecessary

4.5. Criteria of assessing of the level of reaching subject educational outcomes		
Form of classes	Grade	Criteria of grading
Lectures (L)	3	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	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	The range of presented knowledge exceeds the basic level based on individually obtained scientific sources. 93% - 100%
Exercises (E)*	3	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	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	The range of presented knowledge exceeds the basic level based on individually obtained scientific sources. 93% - 100%

**5. POINT BALANCE ECTS - EXPENDITURE OF LABOUR**

Category	Liability on a Student	
	Full-time studies	Extramural studies
<i>Total number of hours with the assistance of the Teacher (contact hours)</i>	<b>55</b>	
<i>Participation in lectures*</i>	<b>15</b>	
<i>Participation in exercises, conversations, laboratory classes*</i>	<b>40</b>	
<i>Participation in the exam or colloquium*</i>		
<i>Others (which ones?)*</i>		
<i>Independent individual Student's activities (non-contact hours)</i>	<b>45</b>	
<i>Preparation to a lecture*</i>		
<i>Preparations to exercises, conversations, laboratory classes *</i>		
<i>Preparation to the exam or colloquium *</i>		
<i>Collecting materials to a project or the internet query*</i>		
<i>Development of a multimedia presentation*</i>		
<i>Others (which ones?)*</i>		
<b>Total number of hours</b>	<b>100</b>	
<b>ECTS Points for the subject</b>	<b>4</b>	

*\*remove unnecessary*

*I hereby accept (Date and signature of a person conducting the subject during an academic term)*

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