

**SYLLABUS**  
**REGARDING THE QUALIFICATION CYCLE FROM 2021 TO 2027**  
**ACADEMIC YEAR 2023/2024**

**1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE**

Course/Module title	<b>Propedeutics of oncology</b>
Course/Module code *	<b>Onk/E</b>
Faculty of (name of the leading direction)	<b>Faculty of Medicine, University of Rzeszow</b>
Name of the unit running the course	<b>Department of Oncology, Radiation Therapy and Translational Medicine</b>
Field of study	<b>Medical study</b>
Qualification level	<b>Uniform master's studies</b>
Profile	<b>Practical</b>
Study mode	<b>Stationary</b>
Year/semester of study	<b>3rd year, semester 6th</b>
Type of course	<b>Obligatory</b>
Teaching language	<b>English</b>
Coordinator	<b>Prof. Tomasz Kubiowski, PhD</b>
First and Last Name of the Teacher	<b>Prof. Tomasz Kubiowski, PhD</b>

\* - as agreed at the faculty

**1.1. Learning format – number of hours and ECTS credits**

Semester (nr)	Lecture	Labs	Conversation	Laboratory	Seminars	Practical	Other	Number of ECTS points
6	15	-	-	--	15	-	-	2

**1.2. Course delivery methods**

**X** conducted in a traditional way

**X** involving distance education methods and techniques

**1.3. Course/Module assessment (exam, pass with a grade, pass without a grade)**

SEMESTER 6, LECTURE - NO CREDIT

SEMESTER 6, SEMINAR - PASS WITH GRADE

**2. PREREQUISITES**

Knowledge in: anatomy, physiology, molecular biology, pathophysiology, basic immunology, genetics general, medical psychology, informatics and biostatistics, hygiene and epidemiology, and knowledge of the basics of pathomorphology and the basics of conducting a subject and physical examination learned in the propaedeutics of internal diseases.

### 3. OBJECTIVES, LEARNING OUTCOMES, COURSE CONTENT, AND INSTRUCTIONAL METHODS

#### 3.1. Course/Module objectives

C <sub>1</sub>	Explain to students the basics of cancer epidemiology and the factors affecting cancer development.
C <sub>2</sub>	To familiarize students with the principles of primary and secondary prevention: (1) discussion of the European Code Against Cancer, (2) presentation of the principles of screening programs, (3) familiarization with the warning signs of cancer.
C <sub>3</sub>	To provide students with basic knowledge of: (1) the diagnosis of cancer, (2) the oncological treatments used, and (3) the prognosis and distant effects of.
C <sub>4</sub>	Familiarize students with the importance of quality of life and present basic information on supportive treatment.
C <sub>5</sub>	Provide knowledge of the basics of psycho-oncology and the principles of palliative and managed terminal care.

#### 3.2. Course/Module Learning Outcomes (to be completed by the coordinator)

EK (the effect of education)	The content of the learning effect defined for the subject (module)	Reference to directional effects (KEK)
EK_01	Environmental and epidemiological conditions of the most common diseases;	E. W1.
EK_02	Environmental and epidemiological determinants of the most common cancers;	E. W23.
EK_03	Basics of early cancer detection and principles of oncology screening;	E. W24.
EK_04	The possibilities of modern cancer therapy including multimodal therapy, the prospects of cell and gene therapies and their adverse effects	E. W25.
EK_05	Principles of palliative management of the patient in the terminal state;	E. W28.
	<b><i>In terms of skills, the student is able to:</i></b>	
EK_06	Conduct a medical interview with an adult patient;	E. U1.
EK_07	Perform a complete and focused physical examination of an adult patient;	E. U3.
EK_08	Plan diagnostic, therapeutic and preventive procedures;	E. U16.

#### 3.3. Course content (to be completed by the coordinator)

##### A. Lectures

<b>Content</b>
1. basic concepts related to oncology and the basics of cancer epidemiology
2. basics of primary cancer prevention - the role of the European Code Against Cancer in cancer prevention

3. secondary prevention of cancer - principles of bringing screening tests
4. basics of oncology treatment - modalities (surgery, chemotherapy, radiotherapy, hormone therapy, immunotherapy, molecularly targeted therapies, cellular therapies), rationale for their use and clinical effectiveness
5. basics of combination treatment in oncology and clinical implications in the most common human malignancies

### ***B. Classes, laboratories, seminars, practical classes***

<b>Contents</b>
1. stages of the process of carcinogenesis. Factors responsible for the development of cancer.
2. Symptoms of cancer with special emphasis on heraldic symptoms and paraneoplastic syndromes. Discuss the basic principles of performing a subject and physical examination.
3. basics of oncological diagnosis - methods used in the diagnosis and staging of cancer.
4. The importance of quality of life in cancer patients and the role of supportive treatment.
5. basics of psycho-oncology and basics of palliative care and management of terminal care.

### **3.4. Methods of Instruction**

**Lectures:** lecture with multimedia presentation.

**Seminars:** multimedia presentation, case study, discussion.

**Student's own work:** work with textbook, preparation for classes and preparation for credit

## **4. ASSESSMENT TECHNIQUES AND CRITERIA**

### **4.1. Methods of evaluating learning outcomes**

<b>SYMBOL OF EFFECT</b>	<b>METHODS OF ASSESSMENT OF LEARNING OUTCOMES (EG.: TESTS, ORAL EXAMS, WRITTEN EXAMS, PROJECT REPORTS, OBSERVATIONS DURING CLASSES)</b>	<b>FORM OF CLASSES</b>
EK_01	CLASS ATTENDANCE CREDIT	LECTURE
EK_02	CLASS ATTENDANCE CREDIT	SEMINAR
EK_03	CLASS ATTENDANCE CREDIT	LECTURE
EK_04	CLASS ATTENDANCE CREDIT	LECTURE
EK_05	CLASS ATTENDANCE CREDIT	SEMINAR
EK_06	CLASS ATTENDANCE CREDIT	SEMINAR
EK_07	CLASS ATTENDANCE CREDIT	SEMINAR
EK_08	CLASS ATTENDANCE CREDIT	LECTURE

#### 4.2. Course assessment criteria

Attendance at all forms of classes is mandatory.

Lectures (EK\_01, EK\_03, EK\_04, EK\_08)

1. participation and activity in class
2. written assessment - multiple-choice test (MCQ) taken after last lecture
3. credit requirement - attendance at classes

Seminars (EK\_02, EK\_05, EK\_06, EK\_07)

1. full participation and activity in class
2. written assessment - multiple choice test (MCQ) taken after last seminar
3. credit condition: attendance and activity in class

Grade range: 2.0 - 5.0

Assessment criteria:

5.0 - demonstrates knowledge of the educational content at the level of 93%-100%

4.5 - demonstrates knowledge of the educational content at the level of 85%-92%

4.0 - demonstrates knowledge of educational content at the level of 77%-84%

3.5 - demonstrates knowledge of educational content at the level of 69%-76%

3.0 - demonstrates knowledge of educational content at 60%-68% level

2.0 - demonstrates knowledge of educational content below 60%

#### 5. TOTAL STUDENT WORKLOAD NEEDED TO ACHIEVE THE INTENDED LEARNING OUTCOMES

##### – NUMBER OF HOURS AND ECTS CREDITS

Form of activity	Average number of hours to complete the activity
Hours from the study schedule	30
Other with the participation of an academic teacher (participation in consultations, exams)	2 (1 hr. consultation participation, 1 hr. credit participation)
Non-contact hours - the student's own work (preparation for class, exam, writing a paper, etc.).	Class preparation 28 (10 hrs. class preparation, 18 hrs. credit preparation)
<b>TOTAL NUMBERS OF HOURS</b>	<b>60</b>
<b>TOTAL ECTS CREDITS</b>	<b>2</b>

*\* Consider that 1 ECTS credit corresponds to 25-30 hours of total student workload.*

## 6. INTERNSHIPS RELATED TO THE COURSE/MODULE

NUMBER OF HOURS	-
RULES AND FORMS OF APPRENTICESHIP	-

## 7. INSTRUCTIONAL MATERIALS

### COMPULSORY LITERATURE:

1. **NEIL VASAN, MARIA I. CARLO (ED.). POCKET ONCOLOGY. 2ND EDITION; WOLTERS KLUWER, 2019. ISBN: 978-1-4963-9103-2. (PODRĘCZNIK DOSTĘPNY RÓWNIEŻ JAKO EBOOK – KINDLE ED.)**

APPROVED BY THE HEAD OF THE DEPARTMENT OR AN AUTHORISED PERSON