

Preclinical Oncology SYLLABUS OF THE COURSE

Academy of Applied Medical and Social Sciences

Didactic cycle

Field of study: Medical	Degree of study: Long-cycle Master's degree programme	Item Status: Obligatory	Language of instruction: English	2023-2028
Form of study: Stationary	Study profile: General Academic	Organizational unit: Department of Preclinical Sciences		

Chaired by: Prof. Luigi Marano [LM], Prof. Yogesh Vashist [YV]

Principal Investigator/E-mail Contact: Prof. Luigi Marano l.marano@amisns.edu.pl

COURSE SCHEDULE

Schedule of hours in semesters (including remote lectures: approx. 7 hours)

Forms: Places, Methods of classes:

Lecture: E-learning platform. The course is carried out as part of bilateral cooperation between our university and Odisha University of Health Sciences.
Student's individual work: Studying literature to achieve learning outcomes. Preparing for the final assessment.

	1	2	3	4	5	6	7	8	9	10	11	12	ECTS
In				20									0,75
	Student's own work = 40									Hours.			1,25

Legend: C-exercises, k-colloquium, K-seminar, P-dissecting room, e-learning platform, Pn-practical clinical teaching, Pz-professional practice, Pw-student's own work, S-seminar, W-lecture, W-seminar lecture, Zp-practical classes

Classes aimed at gaining in-depth knowledge by the student - number of points: 0 Σ ECTS = 2

BASICS OF THE COURSE *

Course objectives:

To convey the basic theories and mechanisms of cancer development. Basics of radiation therapy.

Scientific research related to the Subject: N/A

* Detailed description of objectives/outcomes - see appendix LEARNING OUTCOMES

Required academic competencies and class participation commitments:

The University Study Regulations and the Regulations of the subject/unit conducting education apply to the classes. Without the consent of the Instructor, multimedia recording of classes is prohibited. Failure to meet the above requirements is the basis for not allowing a person to participate in the classes, or asking the person to leave the classes.

CURRICULUM CONTENT

[Stage] Form of classes [hours]: Topic. [NP]

COURSE CONTENT – Lectures Σ [20h]

Lecture 1 [4h]: Molecular basis of cancer and selected topics in tumor immunology []
Lecture 2 [4h]: Practical elements of molecular biology and immunology used in the diagnosis and treatment of oncological diseases []
Lecture 3 [4h]: Molecular foundations of oncological diseases and key issues in tumor immunology [Prof Luigi Marano, Prof Yogesh Vashist]
Lecture 4 [4h]: Hallmarks of cancer. Angiogenesis in cancer. Risk factors and epidemiology of oncological diseases []
Lecture 5 [4h]: Fundamentals of radiotherapy []

List of references:

- A. Required literature (course content):
1. Molecular Biology - Short Lectures / Alexander McLennan, Phil Turner, Andy Bates, Mike White / ed. PWN / Warsaw 2021, 4th ed. – indicated chapters
B. Supplementary literature (optional content):
1. Oncology. A textbook for students and doctors. R. Kordek (ed.), 5th edition, Via Medica, Gdańsk 2019 – indicated chapters

VERIFICATION OF EFFECTS **

Method of passing the form of classes:

Lecture: credit for the grade

Grading scale:

2.0 - student does not obtain 60% of the total points
3.0 - student obtains from 60 to 66% of the total points
3.5 - student obtains from 67 to 74% of the total points
4.0 - student obtains from 75 to 82% of the total points
4.5 - student obtains from 83 to 90% of the total points
5.0 - student obtains from 91 to 100% of the total points

Step-by-step forms of monitoring learning outcomes:

Final test

Student's own work: validation of the achieved outcomes in the course documentation

** Conditions for passing the course - see the appendix Course Regulations, Final form of verification - see the appendix LEARNING OUTCOMES

Passing requirements:

1. Passing with a grade based on a positive test result (Multiple Choice Test) from the entire material carried out on the Moodle platform.
2. Absent students or those who do not pass the test will have their credit prepared in the same form on two retake dates.