



Uniwersytet Medyczny we Wrocławiu
ZAKŁAD PROFILAKTYKI I LECZENIA
CHOROÓB NOWOTWOROWYCH
ul. Borowska 213, 50-556 Wrocław
tel. 736 40 00, fax 71 736 40 00

Syllabus for academic year: 2021/2022
Training cycle: 2019/2020-2024/2025

(1) Description of the course													
Course	Patomechanisms of Cancer Diseases							Group of detailed education results					
								Group code C	Group name Preclinical sciences				
Faculty	Faculty of Medicine												
Major	medicine												
Level of studies	<input checked="" type="checkbox"/> uniform magister studies <input type="checkbox"/> 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies												
Form of studies	<input checked="" type="checkbox"/> full-time <input type="checkbox"/> part-time												
Year of studies	III						Semester:	<input checked="" type="checkbox"/> winter <input type="checkbox"/> summer					
Type of course	<input checked="" type="checkbox"/> obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / optional												
Language of study	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English												
Number of hours													
Form of education													
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
Dept. of Cancer Prevention and Therapy (Dep. in charge of the course)		10											
Direct (contact) education ¹													
Distance learning ²													
Summer semester:													
..... (Dep. in charge of the course)													
Direct (contact) education													

¹ Education conducted with direct participation of university teachers or other academics

² Education with applied methods and techniques for distance learning



Distance learning														
TOTAL per year:														
Dept of Cancer – prevention and Therapy (Dep. in charge of the course)														
Direct (contact) education		10												
Distance learning														
Educational objectives (max. 6 items)														
C1. Knowledge of the basics of cancer pathology with elements of cytogenetics and molecular biology														
C2. Knowledge of basic mechanisms in the field of cancer immunology														
C3. Knowledge of the clinical basics of cancer chemotherapy and radiotherapy														
C4. Knowledge and the ability to counteract complications of anti-cancer treatment														
C5. Development social competences needed to practice the medical profession, in accordance with graduate's profile.														
Education result for course in relation to verification methods of the intended education result and the type of class:														
Number of detailed education result	Student who completes the course knows/is able to										Methods of verification of intended education results	Form of didactic class <i>*enter the abbreviation</i>		
B.W14	functions of the human genome, transcriptome and proteome and the basic methods used in their study, processes of DNA replication, repair and recombination, transcription and translation, as well as degradation of DNA, RNA and proteins, as well as concepts of gene expression regulation										Presentation Oral answer	SE		
C.W23	types of hypersensitivity reactions, types of immunodeficiency and basics of immunomodulation;										Presentation Oral answer	SE		
C.W24	issues in the field of cancer immunology;										Presentation Oral answer	SE		
* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning														
Student's amount of work (balance of ECTS points):														
Student's workload										Student Workload				



(class participation, activity, preparation, etc.)	
1. Number of hours of direct contact:	10
2. Number of hours of distance learning:	-
3. Number of hours of student's own work:	3
4. Number of hours of directed self-study	n/a
Total student's workload	13
ECTS points for course	0.5
Content of classes: (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)	
Lectures NA	
Seminars 1. Molecular basis of neoplasm, new signaling pathways. Metabolic differences in neoplastic cells, the importance of defective immune surveillance in neoplasm, molecular differences in hematopoietic and lymphatic neoplasms. 2. Importance of molecular and cytogenetic research in oncology, stratification of cancer risk factors	
Classes NA	
Other NA	
Basic literature (list according to importance, no more than 3 items) 1. Molecular Basis of Cancer, 2014, John Mendelsohn 2. Oxford Handbook of Oncology, 2016, Fourth edition, impression 2, reprinted 3. Washington Manual Of Oncology 2008, 2nd ed.	
Additional literature and other materials (no more than 3 items) 1. DeVita, Hellman and Rosenberg's Cancer: Principles and Practice of Oncology Review by Ramaşwamy Govindan M; Lippincott Williams & Wilkins Publishers 2008, 8th ed.	
Preliminary conditions: (minimum requirements to be met by the student before starting the course) Basic information on cell biology: DNA replication, transcription, DNA repair, the concept of mutation	
Conditions to receive credit for the course: (specify the form and conditions of receiving credit for classes included in the course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades) Attention! Attendance can not be a condition for passing the course	

Grade:	Criteria for courses ending with a grade ³
Very Good (5.0)	achieving the intended learning outcomes covering all relevant aspects
Good Above (4.5)	achieving the intended learning outcomes covering all relevant aspects with some errors or inaccuracies
Good (4.0)	achievement of the assumed learning outcomes disregarding some less important aspects
Satisfactory Plus (3.5)	achieving the assumed learning outcomes omitting some important aspects or with significant inaccuracies

³ The verification must cover all education results, which are realized in all form of classes within the course



Satisfactory (3.0)	osiągnięcie zakładanych efektów kształcenia z pominięciem niektórych ważnych aspektów lub z poważnymi nieściśłościami
	Criteria for courses ending with a credit³
Credit	

Grade:	Criteria for exam ³
Very Good (5.0)	
Good Above (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Department in charge of the course:	Dept. of cancer Prevention and Therapy
Department address:	Borowska 213 Str, 50-556 Wrocław
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Person in charge for the course:	Dr hab. Aleksandra Butrym, prof. UMW
Telephone:	+48 71 7364000
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List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Aleksandra Butrym	Dr hab.	Medical sciences	Doctor	SE

Date of Syllabus development

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Syllabus developed by

Aleksandra Butrym

Signature of Head(s) of teaching unit(s)

Aleksandra Butrym

Dean's signature University
Faculty of Medicine
Vice-Dean for English Studies
.....prof. Małgorzata Czajka, PhD

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kierownik
dr hab. Aleksandra Butrym, prof. nadzw.