

Subject card

Subject name and code	Cancer cell biology, I	PG_00053381						
Field of study	Biomedical Engineer	ing, Biomedica	l Engineering, l	Biomedical Eng	gineering	3		
Date of commencement of studies	October 2024		Academic realisation			2025/	2026	
Education level	second-cycle studies		Subject gro	oup		Speci Subje	nal subject gr alty subject g ct group relat rch in the fiel	roup ted to scientific
Mode of study	Full-time studies		Mode of de	elivery		at the	university	
Year of study	2		Language	of instruction	n	Polish		
Semester of study	3		ECTS cred	lits		3.0		
Learning profile	general academic pro	ofile	Assessme	nt form		exam		
Conducting unit	Department of Pharn	naceutical Tech	nnology and Bio	ochemistry -> F	aculty o	f Chem	nistry	
Name and surname of lecturer (lecturers)	Subject supervisor Teachers		dr hab. Ewa A	Augustin				
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
of instruction	Number of study hours	15.0	0.0	15.0	0.0		15.0	45
	E-learning hours incl	uded: 0.0						
Learning activity and number of study hours	Learning activity	Participation i classes include plan		Participation i consultation h		Self-st	tudy	SUM
	Number of study hours	45		3.0		27.0		75
Subject objectives	The aim of the course causes of cancer disc							

Data wygenerowania: 21.11.2024 23:04 Strona 1 z 2

KC7_KO1 is ready to create and develop models of proper behaviour in the work and life environment; undertake initiatives initiatives initiatives initiatives initiatives initiatives initiative initiatives initiatives initiatives initiatives initiatives in the work and life environment; undertake initiatives initiatives initiatives initiatives initiatives initiatives initiatives in the work in a team, take responsibility for their own, teams and organisations they are part of, lead a group and take responsibility for its actions; responsibility professional roles and compty mortessional roles taking into account changing social needs, including: - developing the achievements of the profession, - observing and developing rules of professional ethics and acting to comply to these rules KC7_LU2 is able, to an increased extent, to analyze the operation of components and systems related to the field of study, as well as to measure their parameters and study their technical characteristics, and to plan and carry out experiments related to the field of study, including computer simulations, interpret the obtained results and draw conclusions KC7_W53 Knows and understands, to an increased extent, selected aspects of biomedical diagnostics. The student has knowledge of selected aspects of biomedical diagnostics. The student has knowledge of selected aspects of biomedical diagnostics. The student has knowledge of selected aspects of biomedical diagnostics. SW3 Assessment of knowledge and tumorstands, to an increased extent, selected aspects of biomedical diagnostics. The student has knowledge of selected aspects of biomedical diagnostics. SW3 Assessment of knowledge of selected aspects of biomedical diagnostics. SW3 Assessment of knowledge of selected aspects of biomedical diagnostics. SW3 Assessment of factual knowledge. SW3 Assessment of selected aspects of biomedical diagnostics. SW3 Assessment of selected aspects of biomedical diagnostics. SW3 Assessment of selected aspects of b
extent, to analyze the operation of components and systems related to the field of study, as well as to measure their parameters and study their technical characteristics, and to plan and carry out experiments related to the field of study, and is also able to properly interpret the obtained results and draw conclusions from them. Variable Varia
Subject contents Phases of cancer development. Epidemiology of cancer diseases. Causes of cancer diseases. Oncogeneral and tumor suppressor genes. Metastasis formation and angiogenesis. Tumor markers, targeted therapie Knowledge in the field of biochemistry and genetic engineering.
and tumor suppressor genes. Metastasis formation and angiogenesis. Tumor markers, targeted therapie Prerequisites Knowledge in the field of biochemistry and genetic engineering.
Assessment methods Subject passing criteria Passing threshold Percentage of the final gra
and criteria kolokwium 60.0% 50.0%
sprawozdania 60.0% 25.0%
prezentacja 60.0% 25.0%
Recommended reading Basic literature R.A. Wienber. The biology of cancer. Gerland Science. Taylor & Francis Group, 2007, 2014. L. Pecorino. Biologia molekularna nowotworów w praktyce kliniczn Edra. 2018, 2023.
Supplementary literature J. Bal. Biologia molekularna w zarysie. Elementy genetyki kliniczn PWN, 2006.
eResources addresses Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed The role of oncogenes and tumor suppressor genes in cancer transformation. Mechanism and types of angiogenesis. Phases of metastasis. Causes of cancer diseases.

Document generated electronically. Does not require a seal or signature.

Data wygenerowania: 21.11.2024 23:04 Strona 2 z 2