



CREATING A SCIENTIFIC PROJECT AND ACQUISITION OF FUNDING

1. IMPRINT

Academic Year	2023/2024
Department	Doctoral School
Field of study	Doctoral School
Main scientific discipline	Medical sciences
Study Profile	General academic
Level of studies	3 rd level
Form of studies	Full time studies
Type of module / course	obligatory
Form of verification of learning outcomes	completion
Educational Unit / Educational Units	Department of Tumor Biology and Genetics Medical University of Warsaw Pawińskiego 7 02-106 Warsaw, Poland Email: onkogenetyka@wum.edu.pl Phone: (4822) 599-1670
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Person responsible for syllabus	Prof. Tomasz Stokłosa, MD, PhD tomasz.stoklosa@wum.edu.pl
Teachers	Prof. Tomasz Stokłosa, MD, PhD tomasz.stoklosa@wum.edu.pl , Dr Marcin Machnicki, PhD, marcin.machnicki@wum.edu.pl

2. BASIC INFORMATION

Year and semester of studies	1 st year, 1 st semester	Number of ECTS credits	0.00
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FORMS OF CLASSES	Number of hours	ECTS credits calculation
Contacting hours with academic teacher		
Lecture (L)		
Seminar (S)	8	
Discussions (D)		
e-learning (e-L)		
Practical classes (PC)		
Work placement (WP)		
Unassisted student's work		
Preparation for classes and completions	2	

3. COURSE OBJECTIVES

O1	The course is designed to follow the Translational Sciences course with major aim to help early-stage Ph.D. candidates to introduce to the "grantmanship" – skills of applying for grants
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4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING

Code and number of the effect of learning in accordance with standards of learning	Effects in time <i>(in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>
P8S_WG P8S_UW P8S_UO	

Knowledge – Graduate* knows and understands:

W1 P8S_WG	- world achievements, covering theoretical foundations as well as general issues and selected detailed issues specific to a given scientific discipline to the extent that allows for a revision of the existing paradigms, - main development trends of scientific disciplines in which education takes place, - methodology of scientific research, - principles disseminating the results of scientific activity, also in the open access mode.
G.K2	

Skills– Graduate* is able to:

U1 P8S_UW	- use knowledge from various fields of science or art to creatively identify, formulate and innovatively solve complex problems or perform research tasks, in particular: - defining the purpose and subject of scientific research, - formulating a research hypothesis,
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	<ul style="list-style-type: none"> - developing methods, techniques and tools research and their creative application, - inference based on the results of scientific research, - make a critical analysis and evaluation of the results of scientific research, expert activity and other creative works and their contribution to the development of knowledge, - transfer the results of scientific activity to the economic and social sphere.
U2 P8S_UO	- plan and implement individual and team research or creative projects, also in an international environment

* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019 „graduate”, not student is mentioned.

5. ADDITIONAL EFFECTS OF LEARNING <i>(non-compulsory)</i>	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	
K2	
Skills– Graduate is able to:	
S1	
S2	
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminar 1	<u>Introduction to the “grantmanship” – skills of applying for grants</u> - how to translate research idea into fundable project; - what are the best rules in choosing the appropriate type of research funding and the best time for application;	P8S_WG P8S_UW P8S_UO
Seminar 2	<u>Analysis and critical discussion based on real-life examples of research projects</u> - “dos and don’ts” in applying for funding on real examples	P8S_WG P8S_UW P8S_UO
Seminar 3	<u>Presentation of self-prepared project</u>	P8S_UO

7. LITERATURE	
Obligatory	
Selected examples of research proposal will be provided via <i>e-learning</i> tools such as Teams for analysis and discussion	
Supplementary	

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
P8S_WG P8S_UW P8S_UO	The final grade will be based on individual activity assessment including:	
	1. Attendance requirements	Attendance will be checked
	2. Active participation in seminars	Positive evaluation by the teacher
	3. Preparation and short presentation of a translational mini-research project based on acquired knowledge.	Each student will receive a score (1 to 5) for the presented project (minimal score 3 is required)

9. ADDITIONAL INFORMATION

Procedure for compensating for missed seminar resulting from student absence from seminars should be Individually negotiated with the teacher.

Active presentation of the project during the last seminar is necessary to complete the course.

CONSULTATIONS are possible after making an appointment with the teacher via e-mail : onkogenetyka@wum.edu.pl

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ATTENTION

The final 10 minutes of the last class of the block/semester/year should be allotted for students to fill out the Survey of Evaluation of Classes and Academic Teachers