Course title:	The Basics of Epigenetics
Course title in Polish:	Podstawy Epigentyki
Course for discipline:	Biological Sciences

Semester:	6	**Status of course:**	faculty	**Language:**	english
Academic year:		**Catalog number:**			

Coordinator of course:	Patryk Krzeminski	
Lecturer od course:	Patryk Krzeminski	
Executing unit:	Nanobiotechnology Department	
Ordering unit:	Doctoral School SGGW	
Assumptions, goals and description of the course:	Knowledge of selected aspects of epigenetics such as DNA methylation, imprinting, microRNA and histone modifications and methods for their study	
Didactic form, number of hours:	lecture, 10h	
Teaching methods:	lecture online, case study, presentation	
Limit of people in the group:	10	
Learning outcomes		
KNOWLEDGE - the graduate knows and understands:	**SKILLS - the graduate is able to:**	**COMPETENCES - the graduate is ready to:**
To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	Critically evaluate the achievments in the field/discipline represented
Major general development trends in the field/discipline		Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect
		Support the ethos of scientific circles and conduct independent research
The method of verification of learning outcomes:	exam	
Form of documentation of achieved learning outcomes:	powerpoint presentations	
Elements and weights of the final grade:	100% exam	
Place of the course:	online, laboratories of Nanobiotechnology Department	
Basic and supplementary literature		
"DNA methylation landscapes: provocative insights from epigenomics" Miho M. Suzuki & Adrian Bird, (2008); Modern Epigenetics Methods in Biological Research Yuanyuan Li		
Comments:		

Estimated number of hours of work of the doctoral student necessary to achieve the assumed learning outcomes:	40

Leraning outcomes reference to the second degree characteristics of the National Qualification Framework (level 8) covering doctoral competences:		
Symbol:	**Learning outcomes:**	**8 level NQF**
SD1_KW01	To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	P8S_WG
SD1_KW02	Major general development trends in the field/discipline	P8S_WG
SD1_KU05	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	P8S_UW
SD1_KK01	Critically evaluate the achievments in the field/discipline represented	P8S_KK
SD1_KK03	Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect	P8S_KK
SD1_KK08	Support the ethos of scientific circles and conduct independent research	P8S_KR