

Course code	CC5-8							
Type and description	Core Curriculum in Physics							
ECTS credit	1							
Course name	Advanced research planning and management in physical sciences							
Course name in Polish	Zaawansowane metody planowania i zarządzania projektami badawczymi w naukach fizycznych							
Language of instruction	English							
Course level	8 PRK							
Course coordinator	prof. dr hab. Katarzyna Pernal							
Course instructors	dr hab. inż. Jolanta Prywer, dr hab. inż. Jaromir Tosiek, dr inż. Michał Dobrski, prof. dr hab. Katarzyna Pernal, dr inż. Ewa Pastorczak, prof. dr hab. Włodzimierz Kucharczyk, dr hab. inż. Mariola Buczkowska, dr hab. inż. Tomasz Czyszanowski, dr hab. inż. Michał Wasiak, dr hab. inż. Maciej Dems							
Delivery methods and course duration		Lecture	Tutorials	Laboratory	Project	Seminar	Other	Total of teaching hours during semester
	Contact hours						15	15
	E-learning	No	No	No	No	No	No	
	Assessment criteria (weightage)						100%	
Course objective	Acquiring the skills and capabilities to conduct research and analyze acquired results in physical sciences.							
Learning outcomes	A PhD student is able to analyze a given problem and propose its solution, plan and carry out a theoretical or experimental investigation leading to finding a solution, critically assess the results, verify the hypothesis, write a scientific report or a paper, present and discuss the results at international level.							
Assessment methods	Activity. Assessment ways vary depending on the requirements of course instructors.							
Prerequisites	Completed university-level physics and mathematics courses.							
Course content with delivery methods	Course content varies depending on the course instructor and a subject of a PhD project.							
Basic reference materials	Scientific papers and monographs related to the field of study.							
Other reference materials								
Average student workload outside classroom	20h							
Comments								
Last update	24.04.2019							