Course code								
Type and description	Core Curriculum in Physics							
ECTS credit	2							
Course name	Methods of Scientific Research							
Course name in Polish	Metodyka badań naukowych							
Language of instruction	English							
Course level	8 PRK							
Course coordinator	prof. dr hab. Katarzyna Pernal							
Course instructors	prof. dr hab. inż. Jolanta Prywer, dr hab. inż. Jaromir Tosiek, prof. dr hab. Katarzyna Pernal, dr hab.							
Course manuciors	inż. Mariola Buczkowska, prof. 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	0	15	0	0	0	0	15
	E-learning	No	No	No	No	No	No	
	Assessment criteria (weightage)		1,00					
Course objective Learning outcomes Assessment methods	 Acquiring knowledge about techniques of writing scientific papers in physics. Acquiring knowledge about presenting his/her results. Acquiring knowledge about methods of critical scientific discussions. Acquiring knowledge about techniques of conducting research in physics. Having completed the course student can: Apply elementary research techniques to prepare different papers Write a proper review of scientific paper Present results of his/her research to different types of audience Prepare a research plan, for example for a grant proposal Participation in discussions Project presentation 							
Prerequisites Course content with delivery methods	none 1. Writing differ 2. Preparing a 3. Techniques	review of	a paper an	d a thesis ar	nd writing a	a detailed a	answer to	papers, survey papers. a review.

	Using databases SCOPUS and WoS.
Basic reference materials	Books and articles depending on candidates profile, to be decided upon entering the course in cooperation with scientific advisor.
Other reference materials	
Average student workload outside classroom	35h
Comments	
Last update	