

COURSE OFFERED IN THE DOCTORAL SCHOOL

Code of the course	4606-EW-0000000-176	Name of the course	Polish	Prezentowanie wyników prac badawczych		
			English	Presentation of experimental results		
Type of the course	Researcher's Workshop					
Course coordinator	Professor Katarzyna Konopka		Course teacher	Professor Katarzyna Konopka		
Implementing unit	WIM	Scientific discipline / disciplines*	all			
Level of education	Doctoral studies	Semester	spring			
Language of the course	English					
Type of assessment	Grade on a basis of presentation evaluation	Number of hours in a semester	20	ECTS credits	2	
Minimum number of participants	10	Maximum number of participants	50	Available for students (BSc, MSc)	Yes/No	
Type of classes		Lecture	Auditory classes	Project classes	Laboratory	Seminar
Number of hours	in a week		2			
	in a semester		20			

* does not apply to the Researcher's Workshop

1. Prerequisites

none

2. Course objectives

Proposed researcher's workshop is dedicated to develop skills of presenting experimental results. Rules of writing and oral presentation of experimental results will be given together with practical use.

3. Course content (separate for each type of classes)

Auditory classes

Proposed researcher's workshop will be concentrated on rules of writing and oral presentation of experimental results. The following topics will be included: 1) rules of elaboration various scientific reports and manuscripts, 2) rules of preparing the scientific presentation, 3) graphical elaboration of experimental results for writing and presentations, 4) rules of speaking and presentation of results. In these topics the rules as well as examples will be provided. During the workshop the practical exercises for students how to use the presented rules will be done.

4. Learning outcomes

Type of learning outcomes	Learning outcomes description	Reference to the learning outcomes of the WUT DS	Learning outcomes verification methods*
Knowledge			
K01	the fundamental dilemmas of contemporary civilization	SD_W1	Evaluation of final report

K02	to the extent that it is possible to revise the existing paradigms - the world's achievements, including theoretical grounds, general issues and selected specific issues, relevant to the scientific discipline represented, including the latest scientific developments in the field of research	SD_W2	Evaluation of final report
K03	the main development trends of the scientific discipline implemented and the related scientific methodologies	SD_W3	Evaluation of final report
Skills			
S01	use knowledge from different fields to identify, formulate and give innovate solutions to complex problems or perform research-related tasks, in particular: <ul style="list-style-type: none"> • define the purpose and subject of research, formulate a research hypothesis; • develop and use research methods, techniques and tools; • correctly infer from the results of the tests 	SD_U1	Evaluation of final report
S02	carry out critical analysis and evaluation of the results of scientific research, expert activities and other creative activities and their contribution to the development of knowledge, in particular assessing the usefulness and feasibility of the results of theoretical work in practice	SD_U2	Evaluation of final report
S03	communicate on specific topics, particular to the scientific discipline represented, to the extent that it is possible to participate actively in national and international scientific environment, including international consortia of research bodies	SD_U4	Evaluation of final report
Social competences			
SC01	recognition of the importance of knowledge and scientific achievements in addressing cognitive and practical problems	SD_K2	Evaluation of final report

*Allowed learning outcomes verification methods: exam; oral exam; written test; oral test; project evaluation; report evaluation; presentation evaluation; active participation during classes; homework; tests

5. Assessment criteria

Preparing the tasks on the workshops and the final report which will be checked by lecturer and discussed the results with students. Final mark will be given after discussion and correction of work by student.

6. Literature

Primary references:

[1]] K. Konopka, B. Przybyła pt. „Zasady opracowania tekstów naukowych i prezentowania wyników badań z wykorzystaniem języka angielskiego w inżynierii materiałowej i innych pokrewnych dziedzinach” wydana w 2014 przez Oficynę Wydawniczą Politechniki Warszawskiej.

[2]

[3]

Secondary references:

[1] articles and books recommended by the teacher on the workshops

[2]

7. PhD student's workload necessary to achieve the learning outcomes**

No.	Description	Number of hours
1	Hours of scheduled instruction given by the academic teacher in the classroom	20
2	Hours of consultations with the academic teacher, exams, tests, etc.	10
3	Amount of time devoted to the preparation for classes, preparation of presentations, reports, projects, homework	20
4	Amount of time devoted to the preparation for exams, test, assessments	10
Total number of hours		60
ECTS credits		2

** 1 ECTS = 25-30 hours of the PhD students work (2 ECTS = 60 hours; 4 ECTS = 110 hours, etc.)

8. Additional information

Number of ECTS credits for classes requiring direct participation of academic teachers	1
Number of ECTS credits earned by a student in a practical course	1