

## WROCLAW UNIVERSITY OF TECHNOLOGY – PHD STUDIES

<b>FACULTY OF FUNDAMENTAL PROBLEMS OF TECHNOLOGY</b>
<b>SUBJECT CARD</b>
Course name in Polish: Seminarium interdyscyplinarne – fizyka
Course name in English: Interdisciplinary Seminar - physics
Course language: english
University-wide general course type: 1) basic course (mathematics, physics, chemistry, other) 2) humanity course 3) managerial skills 4) English language 5) other modern language Departmental course developing professional skills: 1) specialized course 2) interdisciplinary course 3) <u>seminar</u> (interdisciplinary, specialized, departmental)
Type of course (obligatory, optional): optional
<b>Educational effects according to ZW 26/2017:</b> <b>P8U_W, P8S_WK, P8S_UK, P8S_KK</b>
Subject code <b>FZP9395</b>

\*delete as applicable

	Lecture	Laboratory	Seminar
Number of hours of organized classes in University (ZZU)			15
Number of hours of total student workload (CNPS)			45
Form of crediting	Exam **	Exam / crediting with grade*	Oral presentation
Number of ECTS points			1
including number of ECTS points for practical (P) classes			
including number of ECTS points for direct teacher-student contact (BK) classes			1

\*delete as applicable \*\*In case of didactic courses also inspections and evaluation classes

<b>PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES</b>
1. English language: Level B2

<b>SUBJECT OBJECTIVES</b>	
C1	to introduce the PhD student into the field of basic and advanced techniques of oral presentation of the results of scientific research at international conferences.
C2	to prepare the PhD student for the discussion concerning the substance of the presentation

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**SUBJECT EDUCATIONAL EFFECTS**

**Relating to knowledge:**

PEK\_W01 – basic techniques of presentation of the results of scientific research at international conferences

PEK\_W02 – advanced techniques of presentation of the results of scientific research at international conferences

**Relating to skills:**

PEK\_U01 – student can make a high-quality oral presentation (in english)

PEK\_U02 – student can evaluate the essence of an oral presentation

**Relating to social competences:**

PEK\_K01- understands the importance of international cooperation

**PROGRAM CONTENTS**

<b>Form of classes – seminar</b>		Number of hours
Sem 1	An introduction into basic and advanced techniques of oral presentation of the results of scientific research at international conferences. Criteria of evaluation of the essence of an oral presentation. Exemplary oral presentation by the lecturer.	3
Sem 2	Conference-like oral presentations (at east 20 minutes) by the participants. Evaluation of the quality of the presentation. Discussion.	2
Sem 3	Conference-like oral presentations (at east 20 minutes) by the participants. Evaluation of the quality of the presentation. Discussion.	2
Sem 4	Conference-like oral presentations (at east 20 minutes) by the participants. Evaluation of the quality of the presentation. Discussion.	2
Sem 5	Conference-like oral presentations (at east 20 minutes) by the participants. Evaluation of the quality of the presentation. Discussion.	2
Sem 6	Conference-like oral presentations (at east 20 minutes) by the participants. Evaluation of the quality of the presentation. Discussion.	2
Sem 7	Conference-like oral presentations (at east 20 minutes) by the participants. Evaluation of the quality of the presentation. Discussion.	2
Total hours		<b>15</b>

**TEACHING TOOLS USED**

N1	Lecture
N2	Seminar and discussions

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<b>EVALUATION OF ACHIEVED SUBJECT EDUCATIONAL EFFECTS</b>		
<b>Evaluation:</b> F – forming (partial) C – concluding	Educational effect number	Way of evaluating achievement of educational effects
F1	PEK_W01, PEK_W02	Discussion with the students
F2	PEK_U01, PEK_U02, PEK_K01	Conference-like oral presentation and activity in discussions
<b>C=F1/2+F2/2</b>		

<b>PRIMARY AND SECONDARY LITERATURE</b>
<p><b><u>PRIMARY LITERATURE:</u></b></p> <ol style="list-style-type: none"> <li>1. chosen results of PhD research</li> <li>2. original papers</li> </ol>

<b>SUBJECT SUPERVISOR</b> (NAME AND SURNAME, E-MAIL ADDRESS)
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