



## COURSE CARD

### 1. Basic information

Course name in English:	Reporting seminar in Chemical Sciences	
Course name in Polish:	Seminarium sprawozdawcze w Naukach chemicznych	
Number of hours:	15	
Type of course:	Reporting seminar of discipline	
Form of course:	seminar	
Code of course:		
Course leader:	Katarzyna Matczyszyn	
Faculty of the course leader:	W3 Faculty of Chemistry	
Email address of the course leader:	Katarzyna.matczyszyn@pwr.edu.pl	
Scientific discipline(s) assigned to the course (doctoral students representing the marked disciplines can participate in the course):	Architecture and urban planning	<input type="checkbox"/>
	Automation, electronic, and electrical engineering	<input type="checkbox"/>
	Information and communication technology	<input type="checkbox"/>
	Biomedical engineering	<input type="checkbox"/>
	Chemical engineering	<input type="checkbox"/>
	Civil engineering and transport	<input type="checkbox"/>
	Mechanical engineering	<input type="checkbox"/>
	Environmental engineering, mining, and energy	<input type="checkbox"/>
	Mathematics	<input type="checkbox"/>
	Chemical sciences	<input checked="" type="checkbox"/>
	Physical sciences	<input type="checkbox"/>
	Management and quality studies	<input type="checkbox"/>

### 2. Objectives

Presenting of the latest research results of the student

### 3. Content

*Detailed information about the course content, including topics and form of classes.*

No.	Topic	Number of hours	Form of classes
1	Reporting seminar of the 1 <sup>st</sup> year PhD students	4	seminar
2	Reporting seminar of the 1 <sup>st</sup> year PhD students	4	seminar
3	Reporting seminar of the 2 <sup>nd</sup> year PhD students	4	seminar
4	Reporting seminar of the 2 <sup>nd</sup> year PhD students	4	seminar
5	Reporting seminar of the 3 <sup>rd</sup> year PhD students	4	seminar
6	Reporting seminar of the 3 <sup>rd</sup> year PhD students	4	seminar
7	Reporting seminar of the 4 <sup>th</sup> year PhD students	4	seminar



8	Reporting seminar of the 4 <sup>th</sup> year PhD students	4	seminar
9			Select form
10			Select form
11			Select form
12			Select form
13			Select form
14			Select form
15			Select form

#### 4. Prerequisites

*List of prerequisites relating to knowledge, skills and other competences for course participants.*

Presentations are held in English so mandatory are the communication skills in English

#### 5. Learning outcomes

*List of learning outcomes at level 8 of the Polish Qualifications Framework assigned to the course (mark the learning outcomes in the last column).*

Symbol	Learning outcome	
	<b>KNOWLEDGE. Doctoral student knows and understands:</b>	
SzD_W3	the main trends in the development of the scientific or artistic disciplines covered in the curricula;	<input type="checkbox"/>
SzD_W4	research methodology;	<input checked="" type="checkbox"/>
SzD_W5	the rules for the dissemination of scientific results, including in open access mode;	<input type="checkbox"/>
SzD_W6	the fundamental dilemmas of modern civilization;	<input type="checkbox"/>
SzD_W7	the legal and ethical conditions of scientific activity;	<input type="checkbox"/>
SzD_W8	the economic and other relevant conditions of scientific activity;	<input type="checkbox"/>
SzD_W9	basic principles of knowledge transfer to the economic and social spheres and commercialisation of results of scientific activity and know-how related to these results.	<input type="checkbox"/>
	<b>SKILLS. Doctoral student is able to:</b>	
SzD_U2	use knowledge from different fields of science or art to creatively identify, formulate and innovatively solve complex problems or perform research tasks, in particular: - define the purpose and subject of scientific research, formulate a research hypothesis, - develop research methods, techniques and tools, and use them creatively, - draw conclusions on the basis of scientific research; critically analyse and evaluate the results of scientific research, expertise and other creative work and their contribution to knowledge development; transfer the results of scientific activities to the economic and social spheres;	<input checked="" type="checkbox"/>
SzD_U3	communicate on specialised topics to the extent that they enable an active participation in the international scientific community;	<input checked="" type="checkbox"/>



SzD_U4	disseminate research results, including in popular forms;	<input checked="" type="checkbox"/>
SzD_U5	initiate debates and participate in a scientific discourse;	<input checked="" type="checkbox"/>
SzD_U6	be able to speak a foreign language at B2 level of the Common European Framework of Reference for Languages to a level that enables them to participate in the international scientific and professional environment;	<input type="checkbox"/>
SzD_U7	plan and implement an individual or collective research or creative activity, including in an international environment;	<input type="checkbox"/>
SzD_U8	independently plan and act for one's own development and inspire and organize the development of others;	<input type="checkbox"/>
SzD_U9	plan classes or groups of classes and implement them using modern methods and tools.	<input type="checkbox"/>
<b>SOCIAL COMPETENCES. Doctoral student is ready to:</b>		
SzD_K3	fulfilling the social obligations of researchers and creators, initiate public interest activities, thinking and acting in an entrepreneurial way;	<input type="checkbox"/>
SzD_K4	maintaining and developing the ethos of research and creative environments, including: - carrying out scientific activities in an independent manner, - respecting the principle of public ownership of research results, taking into account the principles of intellectual property protection.	<input type="checkbox"/>

## 6. Evaluation

*Short description of the method(s) used to evaluate the learning outcomes assigned to the course, e.g., exam, test, report, presentation, etc.*

Seminar presentation

## 7. Teaching methods

*Short description of the teaching methods used during the course, e.g., multimedia presentation, discussion, literature studies, developing written documents, own work, etc.*

Multimedia presentation, discussion and presenting own work.

## 8. Literature

*List of primary and secondary literature used to prepare the course and including additional knowledge for participants, e.g., books, textbooks, research papers, standards, web pages, etc.*

## 9. Other remarks

*Additional remarks, comments, (e.g., language of the course)*