

SD UP LUBLIN 2021/2022	SD_013
Nazwa modułu <i>Course Title</i>	PhD Seminar III
Język wykładowy <i>Language of lecture</i>	English
Rodzaj modułu kształcenia <i>Type of course</i>	Obligatory
Rok kształcenia w Szkole Doktorskiej <i>Year of study</i>	II
Semestr kształcenia w Szkole Doktorskiej <i>Semester of study</i>	III
Nazwisko i imię osoby odpowiedzialnej – stopień naukowy <i>Name of lecturer – academic degree</i>	Dr hab. Magdalena Pogorzelec, prof. uczelni
Osoby współprowadzące <i>Co-lecturer</i>	-
Jednostka oferująca przedmiot/dyscyplina <i>Department/ discipline</i>	Department of Hydrobiology and Protection of Ecosystems
Cel modułu <i>Aim of the course</i>	The aim of the course is to acknowledge Ph.D. students with the main research trends in biological sciences. Ph.D. students will gain knowledge of national and European research centres in the discipline, learn about innovative methods in biological vs life sciences as well as get familiar with the new trends in the discipline. In terms of research methodology, doctoral students will be familiarized with the structure of a scientific publication, the way of formulating research hypotheses and research goals, as well as the principles of correct formulations of conclusions. Besides, the differences between a monograph, a scientific article, a scientific communication and a popular science article will be presented.
Efekty kształcenia <i>Odniesienie do efektu kształcenia może wystąpić tylko jeden raz. Max 254 znaki (zespacjami) na efekt. Learning outcomes</i>	<i>Knowledge:</i>
	W1. The Ph.D. student knows the main research and development trends in the discipline
	W2. The Ph.D. student has knowledge on the honest ways of publication of research results
	W3. The Ph.D. student has knowledge on the structure of scientific publication
	W4. The Ph.D. knows the differences between a monograph, a scientific article, a scientific communication and a popular article.
	<i>Practical skills:</i>
	U1. The Ph.D. student can identify future research trends in the discipline of biology science
	U2. The Ph.D. student knows how to correctly formulate hypotheses, goals and research conclusions
	U3. The Ph.D. student is able to prepare a draft of his / her own scientific article related to the subject of the doctoral dissertation
	<i>Social skills:</i>
K1. The Ph.D. student understands value of cooperation between different scientific disciplines	
K2. The Ph.D. student respects the principles of public ownership of the results of scientific activity and the principles of intellectual property protection	
K3. The Ph.D. student is ready for interpersonal research relations	
Wymagania wstępne i dodatkowe <i>Prerequisites and additional requirements</i>	Seminar II
Treści modułu kształcenia – zwarty opis ok. 100 słów. <i>Course contents</i>	The first part of the seminar deals with the issues related to the principles of modern classification of scientific fields and disciplines, the scope of research in the field biological sciences in Poland and abroad, presentation of the most important scientific research undertaken in the discipline, opportunities for cooperation with other fields and disciplines of science. The second part of the seminar deals with issues related to the principles of preparing scientific articles.

Wykaz literatury podstawowej i uzupełniającej <i>References</i>	Metodologia pracy naukowej, Jarosław Zieliński, Wydawnictwo: ASPRA, 2012 Technika pisania i prezentowania przyrodniczych prac naukowych, January Weiner, PWN, 2018 Jak pisać i redagować. Poradnik redaktora, Opracowanie zbiorowe, PWN, 2009 Writing Science: How to Write Papers That Get Cited and Proposals That Get Funded, Joshua Schimel, Oxford University Press, 2011 The Scientist's Guide to Writing, 2nd Edition: How to Write More Easily and Effectively throughout Your Scientific Career, Stephen B. Heard, Princeton University Press, 2022		
Planowane formy/ działania/ metody dydaktyczne <i>Teaching methods</i>	Lecture, discussion, research task. Classes may be conducted using distance learning methods and techniques.		
Sposoby weryfikacji oraz formy dokumentowania osiągniętych efektów kształcenia <i>Evaluation of achieving the learning outcomes</i>	Scientific discussion; preparation and presentation of a draft of one's own scientific article related to the subject of the doctoral dissertation		
Elementy i wagi mające wpływ na ocenę końcową <i>Elements influencing the final grade</i>	Attendance; Active participation in the discussion; Preparation of the sketch of the own scientific article		
Szczegółowy program wykładów I ćwiczeń z podaniem godzin <i>Detailed program of lectures and classes</i>	<b>Ćwiczenia(15)</b> <i>Classes:</i>		h
	1.	Main research trends in the discipline of Environmental engineering, mining and energy	2
	2.	Development trends in disciplines and opportunities for collaboration with other fields and disciplines of science	2
	3.	Lecture of the researcher from a foreign scientific institution	1
	4.	Structure of scientific publication. Formulating of research goals and hypotheses	2
	5.	Presentation of data and their description	2
	6.	Looking and choosing of specific scientific literature , discussion of results and formulating of conclusions	2
	7.	Graphical abstract and other items increasing the quality of scientific publication	2
8.	Presentation of the sketch of the own scientific article related to the topic of the doctoral dissertation	2	
Stopień osiągania efektów kierunkowych: <i>Learning outcomes:</i>	<i>Learning outcomes</i> SD_W01 SD_W02 SD_W04 SD_W05 SD_U01 SD_U02 SD_U05 SD_U07 SD_KO3 SD_KO4 SD_KO5		

*Short course description*

<b>SD UP LUBLIN 2021/2022</b>	<b>SD_013</b>
<i>Nazwa modułu</i> <i>Course Title</i>	PhD Seminar III
<i>Język wykładowy</i>	English

<i>Language of lecture</i>	
Rodzaj modułu kształcenia <i>Type of course</i>	Obligatory
Rok kształcenia w Szkole Doktorskiej <i>Year of study</i>	II
Semestr kształcenia w Szkole Doktorskiej <i>Semester of study</i>	III
Nazwisko i imię osoby odpowiedzialnej – stopień naukowy <i>Name of lecturer –academic degree</i>	Dr hab. Magdalena Pogorzelec, prof. uczelni
Jednostka oferując a moduł/dyscyplina <i>Department/ discipline</i>	Department of Hydrobiology and Protection of Ecosystems
Cel modułu <i>Aim of the course</i>	The aim of the course is to acknowledged Ph.D. students with the main research trends in biological sciences. PH.D. students will gain knowledge of national and European research centres in the discipline, learn about innovative methods in biological vs life sciences as well as get familiar with the new trends in the discipline. In terms of research methodology, doctoral students will be familiarized with the structure of a scientific publication, the way of formulating research hypotheses and research goals, as well as the principles of correct formulations of conclusions. Besides, the differences between a monograph, a scientific article, a scientific communication and a popular science article will be presented.
Treści modułu kształcenia – zwarty opis ok. 100 słów. <i>Course contents</i>	The first part of the seminar deals with the issues related to the principles of modern classification of scientific fields and disciplines, the scope of research in the field biological sciences in Poland and abroad, presentation of the most important scientific research undertaken in the discipline, opportunities for cooperation with other fields and disciplines of science. The second part of the seminar deals with issues related to the principles of preparing scientific articles.
Wykaz literatury podstawowej i uzupełniającej <i>References</i>	Metodologia pracy naukowej, Jarosław Zieliński, Wydawnictwo: ASPRA, 2012 Technika pisania i prezentowania przyrodniczych prac naukowych, January Weiner, PWN, 2018 Jak pisać i redagować. Poradnik redaktora, Opracowanie zbiorowe, PWN, 2009 Writing Science: How to Write Papers That Get Cited and Proposals That Get Funded, Joshua Schimel, Oxford University Press, 2011 The Scientist’s Guide to Writing, 2nd Edition: How to Write More Easily and Effectively throughout Your Scientific Career, Stephen B. Heard, Princeton University Press, 2022
Planowane formy/działania/metody dydaktyczne <i>Teaching methods</i>	Lecture, discussion, research task. Classes may be conducted using distance learning methods and techniques.