

Framework curriculum for the education cycle 2023-2027 at the Doctoral School run by the University of Rzeszów

No.	Subject	Format of classes	Form of credit/pass Method of verification of the outcome	Number of hours								ECTS	PQF
				Year 1		Year 2		Year 3		Year 4			
				semester		semester		semester		semester			
				1	2	3	4	5	6	7	8		
1	Ethics in science	Colloquia	Pass with a grade/ written assignment	10								1	P8S_WK2 P8S_UW3 P8S_KK1
2	Copyright	Lecture	Pass with a grade/ written assignment		4							1	P8S_WK2 P8S_UW4 P8S_KR1
3	Commercialization of scientific research	Colloquia	Pass with a grade/ written assignment		6							1	P8S_WK3 P8S_UW4 P8S_KO1 P8S_KO2 P8S_KO3 P8S_KK3
4	Raising funds for research and managing research projects	Colloquia	Pass with a grade/ project		12							1	P8S_UW1 P8S_UO2 P8S_KK3
5	Public speaking	Practical classes	Pass with a grade/ oral presentation			6						1	P8S_WG1 P8S_UK1 P8S_UK3 P8S_UK4 P8S_UK5 P8S_UK6 P8S_KR1
6	Creation of scientific texts	Practical classes	Pass with a grade/ written assignment			6						1	P8S_WG2 P8S_UK2 P8S_UK6 P8S_KK1

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				semester		semester		semester		semester			
				1	2	3	4	5	6	7	8		
7	Scientific conference/ exhibition/presentation	Lectures	Pass/ /report including a summary of the presentation				15		15			2	P8S_WG2 P8S_UK1 P8S_UK3 P8S_UK4 P8S_UK5 P8S_UK6 P8S_KR1
8	Information sources and information management	Colloquia	Pass with a grade/ project			4						1	P8S_WG3 P8S_WG4 P8S_UW2 P8S_UW3 P8S_UK6 P8S_KK3
9	Optional interdisciplinary subject (to be selected from a list)	Colloquia Laboratory	Exam/ written assignment			15		15		15		6	P8S_WG1 P8S_WG2 P8S_WG3 P8S_WK1 P8S_UW1 P8S_UW2 P8S_UW3 P8S_UK6 P8S_KK1
1	OHS training	e-learning	Pass, solving a test	4									P8S_WG3
Monodisciplinary module (electives)													
1	Doctoral Seminar/Journal Club (to be selected from a list)	Seminar	Pass with a grade /oral presentation	15	15	15	15	15	15	15		14	P8S_WG1 P8S_WG2 P8S_WG3 P8S_UW1 P8S_UW2



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				semester		semester		semester		semester			
				1	2	3	4	5	6	7	8		
													P8S_UW3 P8S_UK6 P8S_KK1 P8S_KK3
2	Doctoral Laboratory	Laboratories/ Colloquia	Pass with a grade /report	30	30	30	30	30	30	30	30	24	P8S_WG1 P8S_WG2 P8S_WG3 P8S_WG4 P8S_UW1 P8S_UW2 P8S_UW3 P8S_KK1
3	Optional specialist subject	Colloquia/ Laboratory	Exam/written assignment		15		15		15	15		8	P8S_WG1 P8S_WG2 P8S_WG3 P8S_WK1 P8S_UW1 P8S_UW2 P8S_UW3 P8S_UK6 P8S_KK3
4	Workshops with an expert	Colloquia	Pass/report				5		5	5		3	P8S_WG2 P8S_UW1 P8S_WK1 P8S_UU1 P8S_UU2 P8S_UU3 P8S_UK6

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				semester		semester		semester		semester			
				1	2	3	4	5	6	7	8		
													P8S_KK1 P8S_KK2 P8S_KK3
Module regarding the teaching of classes at a higher education institution													
1	The teaching of classes at a higher education institution	Colloquia	Pass with a grade /oral presentation	15								2	P8S_WG4 P8S_UU1 P8S_UU2 P8S_UU3 P8S_KK3
2	Internship	Practice	Pass/ Class observation		15	15	15	15	15	15		12	P8S_WG4 P8S_UU1 P8S_UU2 P8S_UU3 P8S_KK3
3	Modern specialist language/Polish for foreigners	Practical classes	Exam/ written assignment	15	15	15	15					8	P8S_WG3 P8S-UK1 P8S-UK5 P8S_KK3
	Total in the education cycle	712 hours		89	112	106	110	75	95	95	30	86	

1. A series of classes regarding teaching at a higher education institution.

- 1) Teaching at a higher education institution – a compulsory subject preparing the doctoral student for teaching classes to students. During the classes, the doctoral student develops assumptions for any subject of his/her choice dedicated to students of first or second cycle studies or uniform master's degree studies of a chosen field of study. During the classes, the doctoral student prepares complete teaching documentation for the preparation of his/her own teaching course (syllabus, practical classes instructions or a class plan);



- 2) Internships include individual teaching of classes or co-teaching with another academic teacher;
 - 3) The annual length of internships does not exceed 60 hours;
 - 4) The number of internships per semester may not be less than 15 hours, excluding semesters 1 and 8;
 - 5) The doctoral student, having received the approval of the Director of the Doctoral School, may increase the number of internship hours in a given academic year;
 - 6) Doctoral students during the 2nd semester of education may only co-teach classes a minimum of 15 hours;
 - 7) Doctoral students, having completed their internships in a given semester, draw up an internship calendar with the signature of the subject coordinator or supervisor;
 - 8) With the consent of the Dean of the College at which the doctoral student prepares his/her doctoral thesis, it is possible to include original subjects proposed and prepared independently by doctoral students, which may be included in the pool of subjects offered to first- or second-cycle students or uniform master's degree studies taught in specific fields of study as the so-called electives/optional subjects.
2. Internationalization of the curriculum in order to provide doctoral students with the highest standards of scientific care and assistance with the performance of activities for his/her own development will be implemented through the following subjects:
- 1) Workshops with an expert – the aim of the course is to enable doctoral students, being young scientists in Poland, to establish contacts and cooperation with experienced scientists with recognized scientific achievements from abroad. The expert should be a scientist employed outside of the University of Rzeszów, who holds at least a doctoral degree, and is distinguished by outstanding scientific or artistic achievements in the discipline. The selection of an expert for a given semester is the task of the doctoral student, who is assisted in the process by the supervisor. The selection of an expert is reviewed by the competent committee of the discipline in terms of the adequacy of his/her achievements to have classes with the doctoral student. If no suitable expert is found, the supervisor or the competent discipline committee proposes the candidacy of such a person, i.e. having appropriate scientific competence to conduct classes.
 - 2) The doctoral seminar in the "Journal Club" convention during the 3rd and 4th year of education takes place with the participation of a foreign specialist in the discipline in which the doctoral thesis is prepared. The candidacy of a specialist is proposed by the competent discipline committee on the basis of the adequacy of the specialist's achievements for the subject of the doctorate.
 - 3) Optional specialist subject – this subject is aimed at expanding specialist knowledge of the discipline and can be taught with the support of scientific staff from abroad. The candidacy of a specialist is proposed by the competent discipline committee on the basis of the adequacy of the specialist's achievements for the subject matter of the planned subject.
 - 4) A scientific conference (or an artistic/musical event) - during his/her education at the Doctoral School run by the University of Rzeszów, the doctoral student is obliged to actively participate in a minimum of two scientific conferences (or artistic/musical events), including one of an international scope (i.e. whose conference language is different than the Polish language) for a minimum of 15 hours. Participation in a conference (or an artistic/musical event) can be stationary or using remote communication tools. The supervisor bears responsibility for verifying the learning

outcomes. The basis for receiving a passing grade is an abstract of the speech or a post-conference article and a report from the conference. One participation in the Conference or an artistic event or music event should take place by the end of the 4th semester.

3. Contact classes with the supervisor or assistant supervisor.
 - 1) The doctoral laboratory is a compulsory course in direct contact between the doctoral student and the supervisor or assistant supervisor. The format of classes is laboratory or conversational. The classes should deal with specialized methodology related to the research work conducted (they can be on the premises of UR units or outside of them, if required by the specificity of the research);
 - 2) The doctoral seminar in the "Journal Club" convention during the 1st and 2nd year of education is a compulsory course in direct contact between the doctoral student and his/her supervisor. During the classes, the doctoral student, with the active help of the supervisor, systematizes his/her current knowledge of the subject matter of the doctoral thesis and broadens his/her own knowledge, skills and social competences.
4. The optional interdisciplinary subject is designed to expand the interdisciplinary knowledge, skills and social competences of the doctoral student regarding the subject matter of the doctoral thesis. UR Institutes propose a list of a minimum of 4 suggested subjects in each academic year.
5. The optional specialist subject is designed to expand the interdisciplinary knowledge, skills and social competences of the doctoral student regarding the subject matter of the doctoral thesis. UR Institutes propose a list of a minimum of 4 suggested subjects in each academic year.
6. A modern specialist language for doctoral students who are Polish citizens (either English or German - at least B2 level) is taught in two groups:
 - 1) for humanities, social sciences and the arts;
 - 2) for engineering and technology, medical and health sciences, agricultural sciences and natural sciences.
7. Specialist Polish language is a compulsory subject for doctoral students from abroad.
8. "Public speaking" classes are taught individually under the care of the supervisor and focus on discussing the principles of preparing a multimedia presentation and a conference poster. During the classes, the doctoral student prepares a public speech in a modern scientific language.
9. The methods of evaluating the curriculum and the progress of scientific work.
 - 1) Control over the doctoral student's curriculum and the individual research plan is exercised by the supervisor;
 - 2) The doctoral student submits a report for each year along with an opinion of the supervisor, which includes, particularly: a short summary of scientific or artistic activity (scientific or artistic progress and progress in work on the doctoral dissertation) and teaching activity of the doctoral student;
 - 3) Verification of the implementation of the curriculum is carried out by the Director of the Doctoral School;
 - 4) The Director of the Doctoral School evaluates the implementation of the curriculum and scientific research on the basis of: the opinion of the supervisor and the credits/passes for the subjects included in the curriculum schedule and individual reports of the doctoral student;
 - 5) The Director of the Doctoral School, at the request of the doctoral student, may transfer some of the duties related to the implementation of the doctoral student's curriculum to another date. He/she may also, at the request of the doctoral student with an opinion of the supervisor, make a decision to accept subjects not covered by the curriculum toward the performance of the student's duties (with an appropriate allocation of ECTS credits);

- 6) Mid-term evaluation takes place in the mid-term of the education cycle specified in this curriculum, and in the case of education lasting 6 semesters – during the 4th semester. The procedure for the mid-term evaluation is specified in separate rules and regulations.
- 7) When passing the classes, the following scale is used:
 - a) Very good (5,0)
 - b) Good plus (4,5)
 - c) Good (4,0)
 - d) Satisfactory plus (3,5)
 - e) Satisfactory (3,0)
 - f) Unsatisfactory/Failing grade (2,0)
 - g) Pass
 - h) Fail (nzał.)
- 8) Receiving an unsatisfactory/failing grade or an entry "fail" results in failure to pass the subject.
10. The classes are taught by people with competences and experience allowing for the proper realization of classes confirmed by their previous scientific or artistic achievements. The classes, with the exception of a modern language/Polish, are taught by people who hold at least a doctoral degree. In addition, the Director of the Doctoral School may assign the teaching of classes to a specialist without the above-mentioned degree or title, provided that he/she has documented qualifications, i.e. certificates or relevant diplomas or other documents confirming qualifications in the subject matter of the subject/course, e.g. knowledge transfer, copyright specialist, etc.
11. The syllabus template in Polish and English is shown in Annex 1 and Annex 2 to this curriculum.
12. The classes may be taught using distance learning methods and techniques in a synchronous mode, however the number the classes cannot exceed 40% of the total number of ECTS credits specified in the curriculum.

Description of the intended learning outcomes at the Doctoral School run by the University of Rzeszów

Category of characteristics of learning outcomes	Descriptive category – aspects of fundamental importance	Description component code	PQF level 8
	Scope and depth – completeness of	P8S_WG	1. To an extent that makes it possible to revise existing paradigms – global achievements, including theoretical foundations and general issues and selected detailed issues – specific to a given scientific or artistic discipline.

Category of characteristics of learning outcomes	Descriptive category – aspects of fundamental importance	Description component code	PQF level 8
Knowledge: knows and understands	cognitive perspective and dependencies		2. Trends in development and the latest discoveries in a selected scientific discipline, current scientific achievements, including global achievements, regarding research in the area of a given discipline.
			3. The conceptual network of a given discipline (also in a foreign language) and related disciplines.
			4. Methodology of scientific research, including research planning principles and their implementation, making use of interdisciplinary research techniques and tools.
	Context – conditions, consequences	P8S_WK	1. Fundamental dilemmas of modern civilization.
			2. Ethical standards applicable to the researcher and academic teacher as well as the rules of intellectual property protection and copyright, including the rules of intellectual property resources management and legal and economic conditions of scientific activity.
			3. Rules of knowledge transfer to the economic and social sphere and principles of the commercialization of scientific activity results.
Skills: he/she can	Use of knowledge – problems solved and tasks performed	P8S_UW	1. Use knowledge from various fields of science or the field of arts to creatively identify and innovatively solve complex problems or perform tasks of a research nature, particularly: <ul style="list-style-type: none"> – define the purpose and subject of scientific research, formulate a research hypothesis, – develop research methods, techniques and tools and apply them in a creative manner , – draw conclusions on the basis of scientific research.
			2. use scientific literature to identify and solve research and innovation problems; can use the appropriate workshop to create new elements of these achievements.



Category of characteristics of learning outcomes	Descriptive category – aspects of fundamental importance	Description component code	PQF level 8
			3. conduct a critical analysis and evaluation of scientific research results, expert activity and other creative works and their contribution to the development of knowledge.
			4. Transfer scientific activity results to the economic and social sphere.
	Communication – receiving and making statements, publicizing knowledge in the scientific community and using a foreign language	P8S_UK	1. Communicate on specialist topics to a degree that allows for active participation in the international scientific community.
			2. Write and prepare a scientific article or a scientific monograph for publication, including popular science publications related to his/her selected discipline in Polish and in a foreign language. Prepare and organize an individual, thematic exhibition, an artistic project - an artistic event and prepare a critical text appropriate to the form (self-commentary, main assumptions of the idea and concept of a given artistic undertaking), preparation and publication of documentation of the event: catalogue, artistic monograph, critical text.
			3. Organize or participate actively in scientific conferences.
			4. Initiate evidence-based scientific debate.
			5. Participate in scientific discourse.
			6. Use a foreign language at B2 level of the Common European Framework of Reference for Languages (CEFR) to a degree that allows for participation in the international scientific and professional environment.
	Work organization – planning and teamwork	P8S_UO	1. Plan and carry out individual and team research projects, also in an international environment.
			2. Prepare an application for financing a scientific project.
Learning – planning one’s own development and	P8S_UU	1. Independently plan and systematically act for the benefit of his/her own development based on current interdisciplinary knowledge in order to expand and deepen competences and inspire the development of other people.	

Category of characteristics of learning outcomes	Descriptive category – aspects of fundamental importance	Description component code	PQF level 8
	the development of other people		<ol style="list-style-type: none"> 2. Plan classes or groups of classes and teach them using modern tools and methods. 3. Plan his/her development, update interdisciplinary knowledge on a systematic basis in order to expand and deepen his/her own competences and inspire other people to do so.
Social competence: he/she is ready to	Assessments – a critical approach	P8S_KK	<ol style="list-style-type: none"> 1. Carry out a critical evaluation of achievements within a given scientific or artistic discipline. 2. Carry out a critical evaluation of his/her own contribution to the development of a given scientific or artistic discipline. 3. Recognize the importance of knowledge in solving cognitive and practical problems.
	Responsibility – fulfilling social obligations and acting for the public interest	P8S_KO	<ol style="list-style-type: none"> 1. Fulfill the social duties of researchers and creators. 2. Initiate activities for the public interest. 3. Think and act in an entrepreneurial manner.
	Professional role – independence and the development of ethos	P8S_KR	<ol style="list-style-type: none"> 1. Maintain and develop the ethos of research and creative environments, including: <ul style="list-style-type: none"> – conducting scientific activity in an independent manner, – respecting the principle of public property of scientific activity results, taking into account the principles of intellectual property protection.