

FRAMEWORK EDUCATION PROGRAM AT THE DOCTORAL SCHOOL CONDUCTED BY THE UNIVERSITY OF RZESZÓW FOR DOCTORAL STUDENTS COMMENCING THEIR EDUCATION IN 2026 AND CONTINUING THROUGH 2030

No	COURSE		TOTAL NUMBER OF HOURS ECTS CREDITS		ASSESSMENT METHOD (e.g., ZO1, E2)	NUMBER OF HOURS																PQF LEARNING OUTCOMES
						Year I				Year II				Year III				Year IV				
	Semester I		Semester II			Semester III		Semester IV		Semester V		Semester VI		Semester VII		Semester VIII						
	godz.	ECTS	godz.	ECTS		godz.	ECTS	godz.	ECTS	godz.	ECTS	godz.	ECTS	godz.	ECTS	godz.	ECTS					
INTERDISCIPLINARY COURSE MODULE																						
1.	Ethos of a Scientist: Best Practices in Research	seminar	15	1	Z 1	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P8S_WK2 P8S_UW3 P8S_UU1 P8S_UU2 P8S_KK1 P8S_KK2 P8S_KO1 P8S_KR1
2.	Copyright Law	lecture	4	1	ZO 2	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	P8S_WK2 P8S_UW4 P8S_KR1
3.	Commercialization of Scientific Research	seminar	6	1	ZO 2	-	-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	P8S_WK3 P8S_UW4 P8S_KO1 P8S_KO2 P8S_KO3 P8S_KK3

4.	Fundraising for Research and Research Project Management	seminar	20	2	ZO 2	-	-	20	2	-	-	-	-	-	-	-	-	-	-	-	P8S_UW1 P8S_UO1 P8S_UO2 P8S_KK3
5.	Application of Artificial Intelligence in Scientific or Artistic Research	seminar	10	1	ZO2	-	-	10	1	-	-	-	-	-	-	-	-	-	-	-	P8S_WG1 P8S_WK1 P8S_UW1 P8S_UW2 P8S_UK6 P8S_KK2 P8S_KR1
6.	Writing Scientific Texts	Practical class	6	1	ZO 3	-	-	-	-	6	1	-	-	-	-	-	-	-	-	-	P8S_WG2 P8S_UK2 P8S_UK6 P8S_KK1
7.	Sources of Information and Information Management	seminar	4	1	ZO 3	-	-	-	-	4	1	-	-	-	-	-	-	-	-	-	P8S_WG3 P8S_WG4 P8S_UW2 P8S_UW3 P8S_UK6 P8S_KK3
8.	Rhetoric with Elements of Personal Branding	seminar	15	1	ZO3	-	-	-	-	15	1	-	-	-	-	-	-	-	-	-	P8S_WG1 P8S_WK1 P8S_WK2 P8S_UW4 P8S_UK6 P8S_KK2 P8S_KO2
9.	Interdisciplinary Elective Course (chosen from the list)	seminar /lab.	30	2	E5, E7	-	-	-	-	-	-	-	-	15	1	-	-	15	1	-	P8S_WG1 P8S_WG2 P8S_WG3 P8S_WK1 P8S_UW1 P8S_UW2 P8S_UW3 P8S_UK6 P8S_KK1

10.	Managing the Image of a Scientist	seminar	15	1	ZO6	-	-	-	-	-	-	-	-	-	-	15	1	-	-	-	-	P8S_WK1 P8S_WK2 P8S_UW4 P8S_UK6 P8S_KO1 P8S_KO2 P8S_KO3
11.	OSH (Occupational Safety and Health)	e-learning	4	-	Z1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P8S_WG3
Total number of hours for the interdisciplinary course module			129	12		19	1	40	5	25	3	-	-	15	1	15	1	15	1	-	-	
MONODISCIPLINARY COURSE MODULE																						
12.	Doctoral Seminar /Journal Club (chosen from the list)	seminar	105	14	Z1-7	15	2	15	2	15	2	15	2	15	2	15	2	15	2	-	-	P8S_WG1 P8S_WG2 P8S_WG3 P8S_UW1 P8S_UW2 P8S_UW3 P8S_UK6 P8S_KK1 P8S_KK3
13.	Doctoral Laboratory	lab./seminar	180	18	Z3-8	-	-	-	-	30	3	30	3	30	3	30	3	30	3	30	3	P8S_WG1 P8S_WG2 P8S_WG3 P8S_WG4 P8S_UW1 P8S_UW2 P8S_UW3 P8S_KK1
14.	Research Methodology	seminar	60	6	ZO1, E2	30	3	30	3	-	-	-	-	-	-	-	-	-	-	-	-	P8S_WG3 P8S_WG4 P8S_WK3 P8S_UW1 P8S_UK1 P8S_UO1 P8S_KR1

15.	(Selected) Specialized Elective Course	seminar /lab.	45	6	E2, E4, E6	-	-	15	2	-	-	15	2	-	-	15	2	-	-	-	-	P8S_WG1 P8S_WG2 P8S_WG3 P8S_WK1 P8S_UW1 P8S_UW2 P8S_UW3 P8S_UK6 P8S_KK3
16.	Public Speaking and Scientific Conferences / Exhibition / Performance	lecture	30	2	Z4, Z6	-	-	-	-	-	-	15	1	-	-	15	1	-	-	-	-	P8S_WG1 P8S_WG2 P8S_UK1 P8S_UK2 P8S_UK3 P8S_UK4 P8S_UK5 P8S_UK6 P8S_KR1
17.	Workshops with an Expert	seminar	15	3	Z4, Z6, Z7	-	-	-	-	-	-	5	1	-	-	5	1	5	1	-	-	P8S_WG2 P8S_UW1 P8S_WK1 P8S_UU1 P8S_UU2 P8S_UU3 P8S_UK6 P8S_KK1 P8S_KK2 P8S_KK3
Total number of hours for the monodisciplinary course module			435	49	-	45	5	60	7	45	5	80	9	45	5	80	9	50	6	30	3	
HIGHER EDUCATION DIDACTICS MODULE																						
18.	Higher Education Didactics	seminar	15	2	ZO1	15	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P8S_WG4 P8S_UU1 P8S_UU2 P8S_UU3 P8S_KK3

19.	Voice Emission	Practical class	15	1	Z1	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	P8S_UK1 P8S_UK4 P8S_KO1
20.	Specialized Modern Language / Polish for Foreigners	Practical class	60	8	ZO 1-3, E4	15	2	15	2	15	2	15	2	-	-	-	-	-	-	-	P8S_WG3 P8S_UK1 P8S_UK5 P8S_KK3
21.	Professional Practice	practice	90	12	Z2, Z3, Z4, Z5, Z6, Z7	-	-	15	2	15	2	15	2	15	2	15	2	15	2	-	P8S_WG4 P8S_UU1 P8S_UU2 P8S_UU3 P8S_KK3
Total number of hours for the higher education didactics module			180	23		45	5	30	4	30	4	30	4	15	2	15	2	15	2	-	-
Total number of hours for the education cycle:			744	84	-	109	11	130	16	100	12	110	13	75	8	110	12	80	9	30	3

Description of the implementation of the education program:

The program includes a total of 744 hours of academic classes and is assigned a total of 84 ECTS credits, including professional practice (total number of practice hours: 90, assigned ECTS credits: 12). The doctoral student is required to complete the following: the interdisciplinary course module (129 hours, 12 ECTS credits), the monodisciplinary course module (435 hours, 49 ECTS credits), and the higher education didactics module (180 hours, 23 ECTS credits, including professional practice).

- **INTERDISCIPLINARY COURSE MODULE** consists of the following courses:

Ethos of a Scientist: Best Practices in Research - conducted in semester 1, concludes with a non-graded pass Z1,

Copyright Law – conducted in semester 2, concludes with a graded pass ZO2,

Commercialization of Scientific Research - conducted in semester 2, concludes with a graded pass ZO2,

Fundraising for Research and Research Project Management - conducted in semester 2, concludes with a graded pass ZO2,

Application of Artificial Intelligence in Scientific or Artistic Research - conducted in semester 2, concludes with a graded pass ZO2,

Writing Scientific Texts - conducted in semester 3, concludes with a graded pass ZO₃,

Sources of Information and Information Management - conducted in semester 3, concludes with a graded pass ZO₃,

Rhetoric with Elements of Personal Branding – conducted in semester 3, concludes with a graded pass ZO₃,

Interdisciplinary Elective Course (chosen from the list)– conducted in semesters 5 and 7, concludes with an exam after each semester of instruction E₅, E₇. A list of at least one course per academic year is proposed by the Deans of the Faculties of the University of Rzeszów. The course aims to expand the interdisciplinary knowledge, skills, and social competence of the doctoral student in relation to the subject of their doctoral research.

Managing the Image of a Scientist – conducted in semester 6, concludes with a graded pass ZO₆

Interdisciplinary courses may be conducted in study groups.

The doctoral student is required to complete occupational health and safety training in accordance with the regulations of the University. The training takes place in semester 1 and concludes with a pass/fail assessment.

- **MONODISCIPLINARY COURSE MODULE consists of the following courses:**

Doctoral Seminar / Journal Club is conducted in semesters from 1 to 7 and concludes with a non-graded pass/fail assessment after each semester (Z₁-Z₇). The course in semesters 1 through 4 must be conducted in direct contact between the doctoral student and their supervisor. During this part of the course, the doctoral student, with the active support of the supervisor, systematizes current knowledge related to their doctoral research topic and deepens their own knowledge, skills, and social competence. From semester 5 onwards, it is possible to conduct the course **Doctoral Seminar in the Journal Club Format** with the participation of a foreign specialist in the discipline in which the doctoral dissertation is being prepared. The candidate for the specialist is proposed by the Dean of the Faculty of the University of Rzeszów after receiving a positive opinion from the relevant scientific council for the discipline, based on the relevance of the specialist's academic achievements to the dissertation topic. The Doctoral Seminar in the Journal Club Format fosters the internationalization of the education program to ensure the highest standards of academic supervision and support for doctoral students in their professional development.

Doctoral Laboratory is conducted from semesters 3 to 8 and concludes with a non-graded pass/fail assessment after each semester (Z₃-Z₈). The course is conducted in direct contact between the doctoral student and their supervisor or assistant supervisor. The course format is either laboratory-based or seminar-based. The content of the course focuses on a specialized methodology related to the doctoral student's research work. (It may be conducted within the units of the University of Rzeszów or outside the university if required by the nature of the research).

Research Methodology is conducted in semesters 1 and 2. After semester 1, the course concludes with a graded pass/fail assessment (ZO₁), and after semester 2, it ends with an exam (E₂). The course is conducted in direct contact between the doctoral student and their supervisor or assistant supervisor.

(Selected) Specialized Elective Course is conducted in semesters 2, 4, and 6. After each semester, the course concludes with an exam (E₂, E₄, E₆). The purpose of the course is to expand the specialized knowledge, skills, and social competence of the doctoral student in relation to their doctoral dissertation. A list of at least two courses per academic year is proposed by the Deans of the Faculties of the University of Rzeszów. The course may be conducted with the support of foreign academic staff. The candidate for the specialist is proposed by the Dean of the Faculty of the University of Rzeszów, following a positive opinion from the relevant scientific council for the discipline. The selection of the specialist is based on the relevance of their academic achievements to the subject of

the planned course. The course promotes the internationalization of the education program to ensure the highest standards of academic supervision and support for doctoral students in their professional development. The course offered jointly to doctoral students from different study cycles within the same scientific/artistic discipline.

Public Speaking and Scientific Conferences / Exhibition / Performance is conducted in semesters 4 and 6 and concludes with a non-graded pass/fail assessment after each semester (Z4, Z6). The course is undertaken individually under the supervision of the doctoral student's supervisor and focuses on discussing the principles of preparing multimedia presentations, conference posters, exhibitions, or performances. During the course, the doctoral student prepares a public speech using a foreign modern language. During their education at the Doctoral School, the doctoral student is required to actively participate in at least two scientific conferences or artistic/musical events, one of which must be international, where the event language is different from Polish. The doctoral student may participate in a scientific conference or artistic/musical event in person or via remote communication tools. The supervisor is responsible for verifying the learning outcomes. Participation in the scientific conference or artistic/musical event must be confirmed by the end of semesters 4 and 6. The course promotes the internationalization of the education program to ensure the highest standards of academic supervision and support for doctoral students in their professional development.

Workshops with an Expert are conducted in semesters 4, 6, and 7, and conclude with a non-graded pass/fail assessment after each semester (Z4, Z6, Z7). The purpose of the course is to enable the doctoral student, as a young researcher in Poland, to establish contacts and collaborate with experienced researchers with an established academic reputation from Poland or abroad. The expert should be a scholar employed outside the University of Rzeszów, holding at least a doctoral degree, and possessing an outstanding academic or artistic achievements in their discipline. The choice of the expert for a given semester is the responsibility of the doctoral student, with active involvement from the supervisor. The choice of the expert is reviewed by the relevant scientific council for the discipline, based on the relevance of the expert's academic achievements to the subject matter of the course. In the absence of the appointment of an expert, the supervisor or the relevant scientific council for the discipline proposes a candidate with the appropriate qualifications to conduct the course. The course promotes the internationalization of the education program to ensure the highest standards of academic supervision and support for doctoral students in their professional development.

- **HIGHER EDUCATION DIDACTICS MODULE consists of the following courses:**

Higher Education Didactics is conducted in semester 1 and concludes with a graded pass/fail assessment ZO1. The course aims to prepare the doctoral student for the role of an academic teacher and for conducting courses with students. It introduces the theoretical and practical aspects of higher education didactics, providing knowledge and skills in academic pedagogy, including adult education. The key objective of the course is to equip the doctoral student with the ability to design and conduct courses in higher education, utilizing modern technological tools.

Voice Emission is conducted in semester 1 and concludes with a non-graded pass/fail assessment Z1. The course aims to prepare the doctoral student to use their speech apparatus in accordance with the principles of vocal pedagogy, thereby helping them assume the role of an academic teacher and preparing them for public speaking in various professional and social roles

Specialized Modern Language / Polish for Foreigners is conducted in semesters 1 through 4. Semesters 1 through 4 conclude with a graded pass/fail assessment ZO1 – ZO4, and semester 4 ends with an exam E4. For doctoral students who are citizens of Poland, **Specialized Modern Language** is an elective course, taught at a level of at least B2 on the CEFR scale. The course may be conducted in language groups. **Polish for Foreigners** is conducted in semesters 1 through 4. Semesters 1 through 4 conclude with a graded pass/fail assessment ZO1 – ZO4, and semester 4 ends with an exam (E4). This is a mandatory course for doctoral students who are foreign nationals and do not speak Polish.

Professional Practice is conducted in semesters 2 through 7, and concludes with a non-graded pass/fail assessment Z2 – Z7 after each semester. The placement consists of doctoral students' independent teaching practice. The total annual duration of the **professional practice** may not exceed 60 hours, and the number of placement hours per semester may not be less than 15 hours, excluding semester 1 and semester 8. The doctoral student, after obtaining approval from the Head of the Doctoral School, may increase the number of placement hours in a given academic year to a maximum of 60 hours. During the professional placement, the doctoral student maintains a placement journal, which is approved by the course coordinator or the supervisor.

The method of assessing the implementation of the education program and scientific/artistic work:

1. The supervisor monitors the implementation of the doctoral student's education program and individual research plan. The doctoral student submits an annual report along with a periodic assessment sheet prepared by the supervisor, which includes, in particular, a brief summary of scientific or artistic activities (scientific or artistic progress and progress in the doctoral dissertation) and teaching activities.
2. The Head of the Doctoral School verifies the implementation of the education program:
 - The Head of the Doctoral School evaluates the implementation of the education program and the research plan based on: the periodic assessment sheet prepared by the supervisor, the completion of courses specified in the education program, and the individual reports of the doctoral student.
 - The Head of the Doctoral School, upon the written request of the doctoral student, may reschedule certain obligations related to the implementation of the education program. The Head may also, upon the written request of the doctoral student, supported by the supervisor, decide to include courses not covered by the education program (with the appropriate allocation of ECTS points) in the fulfillment of the program requirements.
3. The mid-term evaluation of the doctoral student is conducted at the midpoint of the education period specified in this program, and in the case of a program lasting 6 semesters, it will be conducted during the fourth semester. The procedure for the mid-term evaluation is defined by a separate regulation.
4. The following grading scheme is applied:

Excellent	bdb	5.0	A (ECTS)
Good Plus	+ db	4,5	B (ECTS)
Good	db	4.0	C (ECTS)
Satisfactory Plus	+ dost	3.5	D (ECTS)
Satisfactory	dost	3.0	E (ECTS)
Unsatisfactory	ndst	2.0	F, FX (ECTS)
Pass	zal	-	-
Fail	nzal	-	-

Obtaining a grade of **unsatisfactory** or a **fail** mark is equivalent to not passing the course.

5. Courses in the Doctoral School are taught by persons who possess the necessary competence and experience confirmed by their scientific or artistic achievements. With the exception of **Specialized Modern Language** and **Polish for Foreigners**, courses are conducted by academic teachers holding at least a doctoral degree. The Head of the Doctoral School may assign the teaching of courses to an expert without the aforementioned degree or title, provided that they can confirm their qualifications through certificates, diplomas, or other documents verifying their expertise in the subject area.
6. The implementation of courses in a remote format using distance learning methods and techniques in synchronous mode is allowed, with a total duration not exceeding 40% of the total number of ECTS credits specified in the education program.

DESCRIPTION OF THE EXPECTED LEARNING OUTCOMES IN THE DOCTORAL SCHOOL AT THE UNIVERSITY OF RZESZÓW

Universal descriptor	Descriptive category and basic aspects of the universal descriptor	Descriptor code	Polish Qualifications Framework (PRK) level 8
Knowledge: knows and understands	Scope and completeness, depth of the cognitive	P8S_WG	<ol style="list-style-type: none"> 1. the world's achievements relating to: <ul style="list-style-type: none"> - theoretical foundations as well as general and selected specific issues of the academic or artistic discipline at a level enabling the revision of existing paradigms;

	perspective, dependencies		2. the scientific developments and the newest scientific achievements in the selected academic discipline, recent scientific advancements, both national and international, within the discipline;
			3. the conceptual framework of a given discipline (including its primary foreign language) and related disciplines;
			4. the methodology of scientific research, including the principles of research planning and implementation using interdisciplinary research techniques and tools;
		P8S_WK	1. the fundamental dilemmas of modern civilization;
			2. ethical standards applicable to researchers and academic teachers, as well as principles of intellectual property protection and copyright law, including the management of intellectual property resources and the legal and economic conditions of scientific activity;
			3. principles of knowledge transfer to the economic and social spheres, as well as principles of commercialization of scientific research results.
Skills: is able to	Problem solving and applying knowledge in practice	P8S_UW	1. take advantage of knowledge from different academic or artistic fields to creatively identify, formulate and innovatively solve complex problems or perform research activities, especially: - to define the aim and subject of the research, formulate a research hypothesis, - develop research methods, techniques and tools and use them creatively, - draw conclusions on the basis of research results;
			2. take advantage of scientific literature to identify and solve research problems and those related to innovative activities, as

			well as a to apply the appropriate methods to create new contributions to this field of knowledge;
			3. conduct a critical analysis and evaluation of scientific research results, expert activities, and other creative works, as well as their contribution to the development of knowledge;
			4. transfer the results of research studies to the economic and social spheres;
	Communication: understanding and formulating statements, disseminating knowledge in the academic community, using a foreign language	P8S_UK	1. communicate on expert topics to a degree that enables active participation in the international scientific community;
			2. write and prepare for publication a scientific article or monograph, including popular science publications within the selected discipline in both Polish and a foreign language; prepare and organize an individual thematic exhibition, an art project – an artistic event, and prepare an appropriate critical text (self-commentary, main assumptions of the idea and concept of the given artistic project), prepare event documentation (catalogue, artistic monograph, critical text) for publication;
			3. organize or actively participate in scientific conferences;
			4. initiate scientific debates based on scientific evidence;
			5. participate in academic discourse;
			6. use a foreign language at the B2 level of the Common European Framework of Reference for Languages to a degree that enables participation in international academic and professional communities;
	Organising work: planning and team work	P8S_UO	1. plan and implement one's own and a team's research or creative work, also in the international community;
			2. prepare a grant application for funding a research project;
		P8S_UU	1. autonomously plan and act on behalf of personal development based on current interdisciplinary knowledge in order to

	Learning: planning personal development and the development of others		expand and deepen one's own competence, as well as inspire the development of others;
			2. plan classes or groups of classes and conduct them using modern tools and methods;
			3. plan one's own development, systematically update one's interdisciplinary knowledge to expand and deepen one's competence, as well as inspire others to do the same.
	Social competence: is ready to	P8S_KK	1. critically evaluate the achievements of one's scientific or artistic discipline;
			2. critically evaluate one's contributions to the development of the given scientific or artistic discipline;
			3. recognize the value of knowledge in solving cognitive and practical problems;
		P8S_KO	1. fulfil the social obligations of researchers and artists;
			2. initiate activities on behalf of the public interest;
			3. think and act in an enterprising manner;
	Professional role: autonomy and development of an ethos	P8S_KR	1. uphold and develop the ethos of the research and artistic communities, including: - conducting research in an independent manner - respecting the principle of the public ownership of academic research results, taking into account intellectual property rights

The description of the expected learning outcomes takes into account the universal first-degree characteristics for level 8, as defined in the Act of December 22, 2015, on the Integrated Qualifications System (consolidated text: Journal of Laws of 2024, item 1606, as amended), as well as the second-degree characteristics specified in the Regulation of the Minister of Science and Higher Education of November 28, 2018, on the second-degree characteristics of learning outcomes for qualifications at levels 6–8 of the Polish Qualifications Framework.

