PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA NAMED AFTER PATRICE LUMUMBA

Institute of Environmental Engineering
educational division (faculty/institute/academy) as higher education programme developer
INTERNSHIP SYLLABUS
RESEARCH WORK
Recommended by the Didactic Council for the Education Field of:
44.04.02 "Psychological and pedagogical education"
field of studies / speciality code and title
The student's internship is implemented within the professional education programmo of higher education:
Environmental Pedagogy
higher education programme profile/specialisation title

1. Internship goals

The internship is intended to help students to gain competencies that ensure his ability to organize research work individually and in a team, as well as the formation of undergraduate skills in the practical application of theoretical knowledge acquired during the training period, as well as the collection, analysis and generalization of materials with their possible subsequent use in the master's thesis.

2. Internship in Higher Education Programme Structure:

The **«Research work»** refers to the variable component of the higher educational programme curriculum.

Table 2.1. The list of the higher education programme components that contribute to the achievement of the expected learning outcomes as the internship results.

Nr.	Competence code and	Previous	Subsequent courses/modules, internships
	descriptor	courses/modules,	
	_	internships	
Speciali	zed professional competencies	S	
3	SPC-1 Able to carry out	Research	Research Work on the Topic of the Final
	research support and	Methods in	Qualifying Work
	educational and	Pedagogy and	
	methodological support	Psychology	Undergraduate Internship
	for the implementation of		
	basic and additional,		
	including professional		
	programs.		

3. Requirements to Learning Outcomes:

The internship implementation is aimed at the development of the following competences:

Specialized professional competence -1. Able to carry out research support and educational and methodological support for the implementation of basic and additional, including professional programs.

On completion of the course the student:

Knows:

- theoretical-methodological, methodical and organizational aspects of implementation of research activities in the field of Environmental Pedagogy;
- methods of critical analysis and evaluation of modern scientific achievements as well as methods for generating new ideas when solving research problems in the field of Environmental Pedagogy.

Can:

- set and solve specific tasks of scientific and scientific-applied research in the field of Environmental Pedagogy;
- professionally draw up and report the conclusions of research work in the field of Environmental Pedagogy.

Masters:

- skills of analyzing methodological problems that arise when solving research tasks in the field of Environmental Pedagogy;
- skills of critical analysis and evaluation of modern scientific achievements and results of activities to solve research problems in the field of Environmental Pedagogy as well as in interdisciplinary areas.

4. Internship Workload and Activities

The total workload of «**Research work**» is 33 credits.

Table 4.1. Internship workload and activities

Types of academic activities	Total hours	Semesters		S		
			1	2	3	4
Contact academic hours						
Including:						
Lectures						
Seminars (workshops/tutorials)						
Lab works		-				
Self-study		1188	32	43	4	
			4	2	3	
					2	
Evaluation and assessment (exam; pass/fai	1	pass/fail				
grading)		grading				
		with the				
		score				
Total course workload hours		1188	32	43	4	
		4	2	3		
				2		
	credits	33	9	12	1	
					2	

5. Intership contents

Table 5.1 Internship contents

Compete		Contents (topics, types of practical activ	Results	
codes	Modules	Contents	Worklo ad (credits	
		1, 2 semester		
PC-1	Choice of research topics. Selection of bibliographic sources.	Acquaintance with the topics of research work in this field and preliminary selection of the research topic Individual work in libraries and EBS on the formation of a bibliographic list of references for the study; Making conclusions from the existing achievements in the field under study; Registration of the abstract part of the study	21	Pre-formulated research topic List of bibliographic sources
PC-1	Preparation of a research plan.	Determination of the stages of R&D, correlated with its goals and objectives		Research plan
PC-1	The study of bibliographic sources.			Abstracts of bibliographic sources (if available)

PC-1	337.37	D.C. G.	I	T
PC-I	Writing an introduction to a	Definition of goals, objectives, material, research methods, its novelty, relevance,		Introduction to research work
		theoretical significance, practical value		WOLK
	research paper.			
		and presentation of the Introduction to the study defined in the form		
PC-1	Whiting the electron			The first chapter of research
PC-1	Writing the abstract- theoretical basis of	Determination of approaches to the		The first chapter of research work: the abstract-theoretical
	the research work	problem under study;		basis of research work
	(The first chapter of	Determining which of the existing		basis of fescarcii work
	the research work).	schools the student-researcher gravitates		
	the research work).	towards or, on the basis of existing		
		opinions, choosing his own theoretical		
DC 1		approach to the issue under study		34 : 16 : 1
PC-1	Selection of practical	Definition of material and		Material for practical
	material for research,	methodological apparatus for conducting		research
	taking into account	practical research		
	the methodological			
DC 1	apparatus			D 1:
PC-1	Research section	Conducting the actual scientific research		Preliminary results of
DC 1	D : :: 6 .1	D		scientific research
PC-1	Description of the	Preparation of a text describing the		The second chapter of
	study, taking into	study;		research;
	account the conclusions and	• Conclusions and recommendations		• Conclusion to the
	recommendations.	from the study		conducted and described
	Conclusion			research
	Coliciusion	Semester 3		
PC-1	Preparation of the	Writing the text of a public speech on	12	• The text of the public
1 C-1	text of a public	the topic of research;	12	speech on the topic of
	speech on the topic of			research;
	research.	• Formation of a presentation to the text		· · · · · · · · · · · · · · · · · · ·
	research.	of a public speech on research		Multimedia presentation to the taut
PC-1	Preparation of a	Compiling a second second	-	to the text
PC-I	preparation of a presentation for the	Compiling a research report		Research Report
				• Characteristics of the
	text of the speech on			advisor on the results of
DC 1	the topic of research.	7.11		research undergraduate
PC-1	Presentation of the	Public presentation of research results		• Public speaking on the
	results of scientific			results of research with a
	work in the			multimedia presentation
	framework of a			
	public speech.			

6. Internship equipment and technology support requirements

The infrastructure and technical support necessary for the internship implementation include specially equipped classrooms.

7. Internship location and timeline.

The internship can be carried out at the structural divisions of RUDN University (at Moscow-based organisations, as well as those located outside Moscow.

The internship at an external organisation (outside RUDN University) is legally arranged on the grounds of an appropriate agreement, which specifies the terms, place and conditions for an internship implementation at the organisation.

The period of the internship, as a rule, corresponds to the period indicated in the training calendar of the higher education programme. However, the period of the internship can be

rescheduled upon the agreement with the Department of Educational Policy and the Department for the Organization of Internship and Employment of RUDN students.

8. Resources recommended for internship

7. Recommended sources for course studies

Main reading

- 1. Bagdasaryan, N.G. History, philosophy and methodology of science and technology: textbook for masters / N.G. Bagdasaryan, V.G. Gorokhov, A.P. Nazareth; under total ed. N.G. Bagdasaryan. M.: Yurayt, 2015. 383 p.
- 2. Kolesnikova, G. I. Methodology of psychological and pedagogical research: textbook / G.I. Kolesnikov. Rostov: Phoenix, 2015. 318 p.
- 3. Pavlov, A.V. Logic and Methodology of Science: Modern Humanitarian Knowledge and its prospects [Electronic resource]: textbook / A.V. Pavlov. M.: FLINTA, 2016. 343 p. EBS Lan. Access mode: https://e.lanbook.com/book/84190.
- 4. Popkov, V.A. Pedagogy in the mirror of the research pedagogical search [Electronic resource]: textbook / V.A. Popkov, A.V. Korzhuev. M.: Laboratory of Knowledge, 2017. 217 p. EBS Lan. Access mode: https://e.lanbook.com/book/103036.

Additional reading

- 1. Borytko, N.M. Methodology and methods of psychological and pedagogical research: textbook / N.M. Borytko, A.V. Molozhavenko, I.A. Solovtsov. 2nd ed. M.: Academy, 2009. 320 p.
- 2. Vershlovsky, S.G. Methods of observation in pedagogical research: textbook / S.G. Vershlovsky. SPb.: SPb APPO, 2011. 58 p.
- 3. Zagvyazinsky, V. I. Methodology and methods of psychological and pedagogical research: textbook /V. I. Zagvyazinsky, R. Atakhanov. 7th ed. M.: Academy, 2012. 207 p.
- 4. Korzhuev, A.V. General scientific foundations of pedagogy and pedagogical search / A.V. Korzhuev, A.R. Sadykov. M.: LIBROKOM, 2010. 300 p.
- 5. Korzhuev, A.V. Pedagogy in the mirror of research search. At the crossroads opinions / A.V. Korzhuev, A. S. Sokolova. M.: LENAND, 2014. 202 p.
- 6. Kraevsky, V.V. Methodology of pedagogy: a new stage: textbook / V.V. Kraevsky, E.V. Berezhnova. M.: Academy, 2006. 394 p.
- 7. Matyushkina, M.D. Methods of pedagogical research: textbook / M.D. Matyushkin. St. Petersburg: SPb APPO, 2012. 143 p.
- 8. Methodology and methodology of pedagogical research: materials of the V Interregional scientific-practical. conf. of graduate students and applicants, 9-10 Feb. 1999 / E.E. Smirnova [and others]; scientific ed. I.A. Kolesnikov. St. Petersburg: St. Petersburg GUPM, 2000. 190 p.
- 9. Novikov, A.M. Methodology of scientific research / A.M. Novikov, D.A. Novikov. M.: LIBROKOM, 2010. 275 p.
- 10. Training of a teacher-researcher in university education [Electronic resource]: monograph / V.I. Zagvyazinsky [and others]. Tyumen, 2017. 164 p. Access mode: https://e.lanbook.com/book/110066.
- 11. Priority directions for the development of pedagogical and psychological research. M.: MPSI; Voronezh: MODEK, 2004. 71 p.

Internet-based sources

Electronic libraries with access for RUDN students

Russian education: federal portal: http://www.edu.ru/.

Library of the federal portal Russian education: http://www.edu.ru/index.php?page_id=242.

Pavlov A.V. Logic and Methodology of Science: Modern Humanitarian Knowledge and

its prospects / A.V. Pavlov. - M.: Flinta: Nauka, 2010. - 344 p.: http://znanium.com/bookread.php?book=241695.

Ruzavin G.I. Methodology of scientific knowledge / G.I.Ruzavin. - M.: UNITY-DANA, 2012. - 287 p.: http://znanium.com/bookread.php?book=392013.

3. Valeev G.Kh. Methodology and methods of psychological and pedagogical research: Textbook for students of 3-5 courses of pedagogical universities in the specialty "031000 - Pedagogy and psychology". — Sterlitamak: Sterlitamak. state ped. in-t, 2002. - 134 p.: .http://window.edu.ru/library/pdf2txt/445/56445/27208.

8. Assessment toolkit and grading system* for evaluation of students' competences level as internship results

The assessment toolkit and the grading system* to evaluate the level of competences (competences in part) formation as the internship results are specified in the Appendix to the internship syllabus.

* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

ASSESSMENT TOOLKIT

for

Research Work

44.04.02 Psychological and Pedagogical Education
field of studies / speciality code and title
Environmental Pedagogyhigher education programme profile/specialisation title
Master

Passport to Assessment Toolkit for Internship

Field of studies: 44.04.02 "Psychological and Pedagogical Education"

Internship: Research Work

12.1. Competences under evaluation and assessment tools

Table 12.1. The list of the higher education programme components that contribute to the achievement of the expected learning outcomes as the internship results.

Nr.	Competence code and	Previous	Subsequent courses/modules, internships
	descriptor	courses/modules,	
		internships	
Specializ	zed professional competencies	3	
3	SPC-1 Able to carry out	Research	Research Work on the Topic of the Final
	research support and	Methods in	Qualifying Work
	educational and	Pedagogy and	
	methodological support	Psychology	Undergraduate Internship
	for the implementation of		
	basic and additional,		
	including professional		
	programs.		

Assessment tools

Compe	Module	Competence assessment indicator	Criteria and assessment scales
code PC-1	Stage of knowledge formation	Knowledge of the material from bibliographic sources. Knowledge-understanding of the theoretical material of research, logic and literacy of presentation, ability to analyze and generalize the material.	1. The student has deeply and firmly mastered the theoretical material of the research work, exhaustively, consistently, competently and logically expounds it, links it with the goals and objectives of the research work, knows how to generalize the material, does not find it difficult to draw conclusions, analyzing and comparing various hypotheses, without making mistakes -16- 20 points. 2. The student has a solid knowledge of the theoretical material of the research work, correctly and essentially presents it, adequately links it with the goals and objectives of the research work, can generalize the material, is able to formulate conclusions, analyzing and comparing various hypotheses, avoiding significant inaccuracies - 11-15 points. 3. The student has mastered the theoretical material of the research work, but in some details does not link it with the goals and

		T	
			objectives of the research work, makes
			inaccuracies when summarizing the
			material, when analyzing and comparing
			various hypotheses, formulates
			insufficiently correct conclusions - 6-10
			points.
			4. The student does not know a significant
			part of the theoretical material of research,
			makes significant mistakes - 0-5 points.
			0 to 20 points.
PC-1	Skill formation	Analytical component	1. The student freely copes with the
	stage	(abstract-theoretical	assigned tasks, correctly substantiates the
		substantiation of the	abstract and theoretical calculations of
		research work).	research, easily and simply prepares a
			research program, easily selects the
		Practical application of	methodological apparatus and practical
		theoretical knowledge in	material for research, conducts the
		the framework of the	scientific research itself, when describing
		preparation of a research	the research, expresses thoughts clearly,
		program and the selection	competently, consistently, draws logical
		of practical material,	conclusions and gives practical
		taking into account the	recommendations - 66-80 points.
		methodological apparatus.	2. The student has the necessary skills and
PC-1	Stage of skills	Analytical component	abilities to perform the assigned tasks,
	formation and	(conducting and describing	correctly substantiates the abstract and
	gaining	a scientific study, taking	theoretical calculations of research,
	experience	into account the	prepares a research program and selects
	experience	conclusions and	the methodological apparatus and
		recommendations).	practical material for research, conducts
		recommendations).	scientific research, and when describing
		Solving practical tasks and	the research, expresses thoughts correctly,
		tasks, mastering the skills	1
		and abilities in their	_
		implementation,	practical recommendations – 46-65 points.
		independence, the ability	3. The student has difficulty in performing
		to generalize and correctly	the assigned tasks, with difficulty
		present the material:	substantiates the abstract-theoretical
		preparing a text and	1
		presenting it for public	research program with errors and selects
		speaking on the topic of	the methodological apparatus and
		research, public speaking	practical material for the study, expresses
		with the presentation of the	thoughts incorrectly and with errors, finds
		results of scientific work	it difficult to draw logical conclusions and
			give practical recommendations - 21-45
			points.
			4. The student finds it difficult to fulfill
			the assigned tasks, cannot substantiate the
			abstract-theoretical calculations of
			research, cannot draw up a research
			program and select a methodological
			apparatus, selects practical material for
			research in insufficient volume, expresses
			thoughts chaotically, illogically, draws
	I .	I	moughts ontoucumy, mogically, draws

	conclusions	and	gives	practical
	recommendat	ions may	be 0-20 p	oints.
	0 to 80 points	3		

To assess the research activities of students, a point-rating system and ECTS grades are used.

A student's point rating is based on his knowledge, acquired skills and abilities within the framework of the competencies being formed. The maximum number of points that a student can earn during the semester is 100, which corresponds to 100% mastery of the R&D material.

Competency Code	Modules	Competence assessment indicator	Criteria and assessment scales
PC-1	Stage of knowledge formation	Research Report	formal criterion. The student, in due time, submitted reporting documentation on the implementation of an individual research plan, technically well-formed and clearly structured in accordance with the requirements of the research program. The report on the research work is logically structured, the conclusions and results of the study are well-formed. Applications are compiled and presented in full, without errors 25-30 points. The student submitted the reporting documentation on the implementation of the individual research plan within the established time limits, which, on the whole, was technically well-formed and structured in accordance with the requirements of the research program. The report on the research work is logically structured, the conclusions and results of the study are justified, but mistakes were made in their design. Applications are compiled and presented in full, minor errors were made, there are minor flaws in the design - 21-24 points. The student did not submit the reporting documentation on the implementation of the individual research plan on time, which was generally technically well-formed and structured in accordance with the requirements of the research program. The report on the research work is logically structured, has a target orientation, the conclusions and results of the study are justified, but there are inaccuracies in their wording. Applications are arranged correctly, but are not presented in full, there are shortcomings in the design 16-20 points. The student did not submit the reporting

			documentation on the implementation of the individual research plan within the established time frame, which was not formalized and structured in accordance with the requirements of the research program. The report on the research work is not logically structured, the goals and objectives are not formulated, the conclusions and results of the study are incorrect or absent, mistakes were made in the wording and design - 1-15 points; The student did not submit reporting documentation - 0 points. From 0 to 30 points
PC-1	Skill formation	Research	content criterion.
	stage	Report	The individual plan is fully implemented, clear analytical conclusions are given, supported by theory. The report on research work has a targeted focus, the conclusions and results of the study are justified and are practically significant 40-50 points. The individual plan is fully implemented, analytical conclusions are given, supported by theory, but errors corrected during protection are noted. The report on the research work has a target orientation, the conclusions and results of the study are justified, but mistakes were made in their formulation 31-39 points. The individual plan is fully implemented, analytical conclusions are given, not supported by theory. The report on the research work has a targeted focus, the conclusions and results of the study are justified, but there are inaccuracies in their wording. Applications are not presented in full, errors were made - 26-30 points; The individual plan was not completed to the end, analytical conclusions are given with errors, not supported by theory. The research report does not formulate goals and objectives, the conclusions and results of the study are incorrect or missing, mistakes were made in their wording - 1-25 points; The individual plan has not been fulfilled, analytical conclusions are presented with errors, not supported by theory. The report has not been prepared 0 points
			0 to 50 points
PC-1	Stage of skills formation and gaining experience	Research Report	presentation criteria. The report was defended using multimedia tools; the student provided clear and complete answers to the questions asked; the task was completed correctly, clear analytical

conclusions were given, supported by theory -
15-20 points;
The defense of the report was carried out
using multimedia tools, the student provided
complete answers to the questions asked,
however, there were errors in the answer,
adjusted during the interview - 11-14 points;
The report was defended without the use of
multimedia tools; the student provided
incomplete answers to the questions asked - 1-
10 points;
The report was not defended, the student did
not provide answers to the questions asked - 0
points.
0 to 20 points

Standard control tasks or other materials necessary to assess knowledge, skills and (or) experience of activity that characterize the stages of formation of competencies in the research process

No.	Competenc y Code	Modules	Typical control tasks / other materials
1.	PC-1	Stage of knowledge formation	 Provide to control the list of scientific works thematically related to the research area of the student for the supervision of the scientific supervisor of R&D. Provideto control the research supervisor with a previously formulated topic of their own research. Form and submit for control to the supervisor of researchbibliographic list for the research work. Form and submit for controlresearch supervisor plan of their own research work. Provide for controlabstracts of bibliographic sources on the topic of scientific work to the supervisor. Define and articulategoals, objectives of the study, material, research methodology, predicting its novelty, relevance, theoretical significance and practical value and provide for controlscientific leader (Introduction to research work).
2.	PC-1	Skill formation stage	 Explore existing approaches to the problem under study, determine your own commitment to any of the existing hypotheses and provide for controlscientific advisor abstract and theoretical substantiation of own research work(first chapter of research). Determinematerial and methodological apparatus for practical researchand give controlscientific leader. Carry out and provide for controlsupervisorpreformulated results of their own scientific research.

3.	PC-1	Stage of skills	1. Prepare and give control to the scientific adviser,
		formation and	the final text describing the study, provided with
		gaining	conclusions and recommendations (Second
		experience	chapter and Conclusion to R&D).
			2. Prepare and submit for controlto the supervisor
			the text of the public speech and a multimedia
			version of the presentation accompanying the
			report.
			3. Providescientific supervisor a full report on
			R&D.
			4. Conduct a public presentation of the results of
			research, accompanied by a multimedia
			presentation (protection of research).

Methodological materials that determine the procedures for assessing knowledge, skills and (or) experience of activity that characterize the stages of formation of the student's competencies in the process of performing research

Methodological materials that determine the procedures for assessing knowledge, skills, abilities and (or) activity experience that characterize the stages of formation of a student's competencies in the process of performing research work are a point-rating system of assessment in accordance with the Regulations on the point-rating system for assessing the quality of mastering basic educational programs (in the current edition). Intermediate attestation of students in R&D is carried out in accordance with the Regulations on the current monitoring of progress and intermediate attestation of students (as amended).

The student's research activity is assessed on a semester basis on a 100-point scale.

In accordance with the formal and substantive criteria and scales given in Sections 3 and 4 of the Fund of Evaluation Tools of this program, a comprehensive assessment of the quality of mastering the R&D program by students is carried out.

Rules for taking into account the rating when grading. Description of the point-rating system

Evaluation	of	Unsatisfactory.		satisfies.		Good	Excellent	
traditional								
ECTS score		F (2)	FX(2+)	E(3)	D(3+)	C(4)	B (5)	A(5
		, ,						+)
Maximum	score	Less	31-50	51-60	61-68	69-85	86-94	95-
100		than 30						100
credited		51-100						

Description of ECTS grades:

- **A "Excellent":**the theoretical content of the research material was mastered completely, without gaps, the necessary practical skills for working with the mastered material were formed, all the tasks provided for by the training program were completed, the quality of their performance was estimated by a number of points close to the maximum.
- **B** "Very good":the theoretical content of the R&D material has been mastered completely, without gaps. The necessary practical skills for working with the mastered material are basically formed, all the training tasks provided for by the training program are completed, the quality of most of them is estimated by a number of points close to the maximum.
- **S** "Good": the theoretical content of the research material is mastered completely, without gaps, some practical skills of working with the mastered material are not sufficiently formed, allthe tasks were completed by the training program, the quality of performance of none of

them was assessed by the minimum number of points, some tasks were completed with errors.

- **D** "Satisfactory":the theoretical content of the research material has been partially mastered, but the gaps are not significant, the necessary practical skills for working with the mastered material are basically formed, most of the tasks provided for by the training program have been completed, some of the completed tasks may contain errors.
- **E** "Mediocre": the theoretical content of the research material has been partially mastered, some practical work skills have not been formed, many tasks provided for by the training program have not been completed, or the quality of some of them has been assessed with a number of points close to the minimum.
- **FX** "Conditionally unsatisfactory": the theoretical content of the research material has been partially mastered, the necessary practical work skills have not been formed, most of the training tasks provided for by the training program have not been completed, or the quality of their implementation has been assessed by a number of points close to the minimum; with additional independent work on the material of the R&D material, it is possible to improve the quality of the performance of educational tasks.
- **F** "Definitely unsatisfactory": the theoretical content of the R&D material has not been mastered. The necessary practical work skills have not been formed, all the completed training tasks contain gross errors, additional independent work on the R&D material will not lead to any significant improvement in the quality of the training tasks.

positive ratings,upon receipt of which the course (research work) is credited to the student as passed, are grades A, B, C, D and E.

Methodological recommendations for compiling reports on R&D

The semester report should reflect all the achievements of the student regarding his research work in the past period. It is necessary to list all the structural content components of R&D of the corresponding semester.

Annexes to the report of a specific period should be drawn up.

Indicative list of semester applications to the student's report on research

1, 2 semester	Title of research topic		
	List of bibliographic sources		
	Research plan		
	The text of the article, abstract or report at the conference / round table or		
	term paper		
	The text of the introduction to the research		
	The text of the first chapter of the research		
4 semester	Information about the practical material for the study, taking into account the		
	methodological apparatus		
	The text of the article, abstract or report at the conference / round table or		
	term paper		
	The text of the second chapter of the research		
	The text of a public speech on the topic of research		
	Presentation to the text of the speech on the topic of research		

The volumes and formats of the texts of articles, reports correspond to the requirements of the relevant collections, conferences / round tables for which these materials are being prepared.

Volumes and format of abstracts, Introduction/Conclusion, chapters of R&D are in line with the typical requirements of the university for this kind of work.

These requirements are advisory.

Developer:

Associate Professor of the Department of Foreign Languages

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