Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA
RUDN University

Academy of engineering
(educational division (faculty/institute/academy) as programme developer)

Department of Subsoil Use and Oil and Gas Engineering
(department realizing the PhD program)

INTERNSHIP SYLLABUS

Pedagogical Training
(internship type)

Scientific specialty:

1.6.9. Geophysics
1.6.10. Geology, prospecting, and exploration of solid minerals, minerageny
1.6.11. Geology, prospecting, exploration and exploitation of oil and gas fields
2.6.12. Chemical technology for fuels and high-energy substances
2.8.4. Development and operation of oil and gas fields
(scientific speciality code and title)

The PhD student’s internship is implemented within the PhD programmes:

Geophysics
Geology, prospecting, and exploration of solid minerals, minerageny
Geology, prospecting, exploration and exploitation of oil and gas fields
Chemical technology for fuels and high-energy substances
Development and operation of oil and gas fields
(PhD program title)

2026 г.

1. INTERNSHIP GOALS

The aim of the Internship is to develop professional competencies through direct participation in pedagogical work, as well as the acquisition of professional competencies necessary to work in the professional sphere.

2. REQUIREMENTS FOR LEARNING OUTCOMES

The main tasks of pedagogical practice are:

- to study the methods and techniques of teaching and education in higher education;
- learn how to conduct classes in technical disciplines;
- master the primary skills of modeling classes, drawing up programs and projects, planning individual classes and predicting a special course, choosing an effective organization strategy.

3. INTERNSHIP WORKLOAD

The overall workload of the internship is 6 credits (216 academic hours).

4. INTERNSHIP CONTENTS

Stages of internship	Content of the units (topics)	Workload, acad. hours
Section 1. Organisational and preparatory	Introductory meeting: giving instructions on the forms, types of work during pedagogical training	1
	A safety briefing in the workplace (laboratory and/or production)	1
Section 2. Substantive	Familiarisation with the training activities of the department	20
	Develop training materials	58
	Carry out the lessons and implement the training tools developed	90
	Keeping the Internship diary	10
Section 3. Intermediate certification	Editing the practice report	26
	Submitting and defending the practice report	10
Total academic hours of internship:		216

5. INTERNSHIP EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

The place of internship shall comply with the current sanitary and epidemiological requirements, fire safety regulations and standards of health protection of the students.

It requires classrooms that meet the safety requirements for academic work, if necessary, a computer room with workstations that provide Internet connection, as well as classrooms with multimedia equipment.

6. INTERNSHIP LOCATION AND TIMELINE

Internship can be carried out both in structural subdivisions of RUDN University or in organizations of Moscow (stationary), and at bases located outside of Moscow (exit).

Conducting internship on the basis of an external organization (outside RUDN University) is carried out on the basis of an appropriate agreement, which specifies the terms, place and conditions for performing scientific research in the base organization.

The deadlines for the internship implementation correspond to the period indicated in the calendar academic schedule of the postgraduate program. Internship dates can be adjusted in coordination with the Department of Doctoral Studies of the RUDN University.

7. RESOURSES RECOMMENDED FOR INTERNSHIP

Main readings:

Development of professionalism of higher school teacher. textbook. V.S. Agapov [et al.].- M.: Publishing house of RAGS, 2017. http://lib.rudn.ru/MegaPro2/UserEntry?Action=Rudn_FindDoc&id=470098&idb=0.

2. Miroshnichenko N. A., Stefanov S. A. To help a young teacher. methodical manual / N. A. Miroshnichenko, S. A. Stefanov.-Odessa: Yuridichna litera, 2003.-92 p.

3. Skok G.B., Lygina N.I. How to design an educational process for a course: Textbook. Ed. second revised and supplemented. - Moscow: Pedagogical Society of Russia. 2017. - 96c. http://lib.rudn.ru/MegaPro2/UserEntry?Action=Rudn_FindDoc&id=470098&idb=0

4. Lapaeva M.G., Lapaev S.P.; Ministry of Education and Science of the Russian Federation, Federal State Budgetary Educational Institution of Higher Education "Orenburg State University". - Orenburg: Orenburg State University, 2017. - 249 p.: ill. - Bibliography in the book - ISBN 978-5-7410-1791-3; [Electronic resource]. - URL: http://biblioclub.ru/index.php?page=book&id=485476 (06.05.2018).\.

5. Education quality management: Practice-oriented monograph and methodological guide / Edited by M.M. Potashnik. M., 2016. URL: http://biblioclub.ru/index.php?page=book&id=230540.

Additional readings:

1. RUDN HEO (higher education level - training of higher qualification)

2. local Acts of PFUR

Internet Resourses:

ELS RUDN University and third party EBS, to which university students have accessbased signed contracts:

- RUDN Electronic Library System, http://lib.rudn.ru/MegaPro/Web ;
- ELS University Library Online, http://www.biblioclub.ru ;
- EBS Urayt, http://www.biblio-online.ru ;
- ELS Student Consultant, http://www.studentlibrary.ru ;
- EBS Lan, http://e.lanbook.com ;
- EBS Trinity Bridge http://www.trmost.ru

Databases and search engines:

- Electronic fund of legal and normative-technical documentation, http://docs.cntd.ru ;
- Yandex search system https:// www .yandex.ru ;
- Google search system https://www.google.com ;
- Reference database Scopus , http://www.elsevierscience.ru/products/scopus

Educational and methodological materials for students' self-work studying the internship:

Instructions for labor protection and fire safety during practical training (initial instruction).

Guidelines for students to fill out a diary and prepare a report on internship.

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM FOR EVALUATION OF PHD STUDENTS' COMPETENCES LEVEL AS INTERNSHIP RESULTS

Assessment toolkit and a grading system to evaluate the level of competences (competences in part) formation as the course results are specified on the TUIS platform.

DEVELOPERS:

Head of the
Department of Subsoil Use
and Oil and Gas Engineering  A.E. Kotelnikov

HEAD OF THE DEPARTMENT
Assistant Professor of the Department
of Subsoil Use and Oil and Gas Engineering  A.E.Kotelnikov