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**Federal State Autonomous Educational Institution for Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
(RUDN University)
Institute of Medicine
(Educational Division)**

INTERNSHIP PROGRAMME

Teaching internship
(programme title)

1.5.7. Genetics
(Specialisation)

Internship is carried out within the implementation of the PhD Programme:

1.5.7. Genetics: Molecular Basis of Human Hereditary Diseases

2023

1. INTERNSHIP AIMS

- consolidation of knowledge and skills acquired by students;
- preparation for educational activities in higher education;
- consolidation and development of skills in teaching Genetics; the organization of educational work with students; development and improvement of educational programs for Genetics.

Tasks of the teaching practice are:

- identification of the content, forms and technologies of teaching in higher and further education;
- design of educational material and lessons;
- evaluation and monitoring of the training efficiency.

2. REQUIREMENTS TO LEARNING OUTCOMES

In consequence of the internship a postgraduate is due to:

Know the main psychological, pedagogical and methodological rules of teaching at high school.

Be able to explain the subject and control knowledge in the discipline; organize educational work with students.

Have the skills in development and analysis of basic forms of educational and extra-curricular activities.

3. INTERNSHIP WORKLOAD

The internship total workload is equal to 5 credits (180 ac. hours).

4. INTERNSHIP CONTENTS

Table 5.1. Internship contents

Internship Modules	Contents (Topics)	Workload, ac.hours
Module 1. Preparatory stage	Introduction to the internship programme and requirements. Safety training	3
	Preparing individual curriculum	3
	Visiting other lecturers	18
Module 2. Main stage	Study of training documentation	6
	Preparation for lessons, study of textbooks, preparing Power Point presentations for lessons	60
	Conducting classes	60
	Participation in the midterm assessment of students	12
Report making		9
Presentation of the report		9
Totally:		180

5. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 5.1. Classroom Equipment and Technology Support Requirements

Classroom for Academic Activity Type	Classroom Equipment	Specialized Equipment
Specialized classroom	Lecture/Seminars/ Lab Classroom, equipped with a set of specialized furniture (328)	A set of specialized furniture; whiteboard; a set of devices includes multimedia projector, laptop, projection screen, stable wireless Internet connection. Software: Microsoft Windows, MS Office / Office 365, MS Teams, Chrome (latest stable release), Microscopes
Laboratory	Laboratory of Biomolecular research (332, 332A)	PCR laboratory equipment
Self-studies classroom	Self-studies classroom, equipped with a set of specialized furniture (аудитория 342)	A set of specialized furniture; whiteboard; a set of devices includes multimedia projector, laptop, projection screen, stable wireless Internet connection. Software: Microsoft Windows, MS Office / Office 365, MS Teams, Chrome (latest stable release)

6. INTERNSHIP METHODS

The teaching internship is carried out at the Department of Biology and General Genetics of RUDN University.

The internship program includes the preparation and conduct of laboratory classes in the disciplines “Genetics” and “Biology” as well as visiting other lecturers.

The terms of the internship correspond to the period given in the academic schedule.

7. RECOMMENDED SOURCES FOR COURSE STUDIES

- Textbooks (in accordance with training and methodology complexes of disciplines)
- RUDN online library <http://lib.rudn.ru/MegaPro/Web>
- National Center for Biotechnology Information (NCBI) - www.ncbi.nlm.nih.gov
- ScienceDirect - <http://www.sciencedirect.com>
- Scientific electronic library: - <http://elibrary.ru>
- Google Academy - <http://scholar.google.ru/>

Learning toolkits for self- studies in the RUDN LMS TUIS:

Methodological recommendations on the internship.

8. ASSESSMENT AND EVALUATION TOOLKIT

Assessment and evaluation toolkit as well as the grading system are presented in the Supplement to the Course Syllabus.

DEVELOPERS:

DEVELOPERS:

Associate professor,
Department of Biology and
General Genetics



O.B. Gigani

Head of the Department,
Department of Biology and
General Genetics



M.M. Azova

HEAD OF THE DEPARTMENT:

Department of Biology and
General Genetics



M.M. Azova

Methodological recommendations on the internship.

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Assessment and evaluation toolkit as well as the grading system are presented in the Supplement to the Course Syllabus.

Control of acquired knowledge and skills is carried out in the form of oral colloquiums and evaluation of the research reports. The report is approved at the meeting of the department. The report should contain information on the implementation of the individual plan, published scientific articles, participation of the postgraduate student in Russian and international conferences.

Criteria for evaluation:

- depth of scientific research planning;
- consistency of presentation;
- correspondence of the aim and tasks of the research to the topic;
- the adequacy of the research methods;
- the relevance, reliability and completeness of the collected information;
- correlations between tasks and conclusions of the study;
- the content of articles;
- the accuracy of the report and its completeness.

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