

Документ подписан пр...  
Информация о владельце:  
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**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 Mechanics and Control**

(department realizing the PhD program)

**INTERNSHIP SYLLABUS**

**Pedagogical Training**

(internship type)

Scientific specialty:

**5.2.2. Mathematical, statistical and instrumental methods in economics**

(scientific specialty code and title)

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

**Mathematical, statistical and instrumental methods in economics**

(PhD program title)

## 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 results of pedagogical practice are:

- readiness for teaching activities in the main educational programs of higher education.
- readiness to teach disciplines (modules), conduct individual types of classes in Russian and a foreign language in higher education programs.
- the ability to organize educational, research and project activities of students in higher education programs.

## 3. INTERNSHIP WORKLOAD

The total workload of the internship is 5 credits (180 academic hours).

## 4. INTERNSHIP CONTENTS

*Table 4.1. Internship contents\**

Name of section of the practice	Section content (topics, practical activities)	Labour input, ac. hrs.
Section 1: Organizational and preparatory	Receipt of an individual practical assignment from the supervisor	2
	A safety briefing in the workplace (laboratory and/or production)	2
Section 2: Substantive	Familiarization with the training activities of the mechanics and mechatronics department	8
	Develop training materials	12
	Carry out the lessons and implement the training tools developed	40
	Keeping the Internship diary	2
Section 3: Reporting	Preparing the presentation of the internship	4
	Intermediate assessment (preparation and presentation)	2
Section 1: Organizational and preparatory	Receipt of an individual practical assignment from the supervisor	2
	A safety briefing in the workplace (laboratory and/or production)	2
Section 2: Substantive	Familiarization with the training activities of the mechanics and mechatronics department	8
	Develop training materials	16
	Carry out the lessons and implement the training tools developed	60
	Supervise the supervision of the traineeship	2
	Keeping the Internship diary	9
Preparation for defense and defense of the internship report		9
<b>Total academic hours of internship</b>		<b>180</b>

\* The contents of internship through modules and types of practical activities shall be FULLY reflected in the student's internship report.

## 5. INTERNSHIP EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

For the successful implementation of Pedagogical practices need:

- workplace – computer, printer.
- library fund.
- access to Internet.

## 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. RESOURCES RECOMMENDED FOR INTERNSHIP

### *Main readings:*

- 1) Бермус А.Г. Практическая педагогика: учебник для вузов / 2-е изд. М.: Юрайт, 2025. 118 с. ISBN 978-5-534-19123-3. Текст электронный. URL: <https://urait.ru/bcode/566761>.
- 2) Бермус А.Г. Теоретическая педагогика: учебное пособие / 2-е изд. М.: Юрайт, 2023. 159 с. ISBN 978-5-534-12324-1. Текст электронный. URL: <https://urait.ru/bcode/518770>.
- 3) Голованова Н.Ф. Педагогика: учебник и практикум для вузов / 2-е изд., перераб. и доп. М.: Юрайт, 2023. 372 с. ISBN 978-5-534-01228-6. Текст электронный. URL: <https://urait.ru/bcode/511716>.
- 4) Околелов О.П. Педагогика высшей школы: учебник / М.: ИНФРА-М, 2023. 187 с. DOI 10.12737/19449. ISBN 978-5-16-011924-3. Текст электронный. URL: <https://znanium.com/catalog/product/1900992>.
- 5) Main literature of the work program of the discipline in which the graduate student participates.

### *Additional readings:*

- 6) Мандель Б.Р. Педагогическая психология: Учебное пособие / М.: КУРС, 2019 368 с. Электронный ресурс. Режим доступа: <http://znanium.com/catalog/document?id=355898>.
- 7) Муратова Е.И., Попов А.И. Организация педагогической практики аспирантов: учебное пособие / Тамбовский государственный технический университет. Тамбов: Тамбовский государственный технический университет (ТГТУ), 2017. 81 с. Текст электронный. URL: <https://biblioclub.ru/index.php?page=book&id=499029>. ISBN 978-5-8265-1735-2.
- 8) Попов В.В., Круглов Ю.Г. Креативная педагогика: методология, теория, практика / 6-е изд. (эл.). М.: Лаборатория знаний, 2021. 322 с. Текст электронный. URL: <https://biblioclub.ru/index.php?page=book&id=602062>. ISBN 978-5-93208-539-4.
- 9) Additional literature of the work program of the discipline in which the graduate student participates.

### *Internet sources:*

Electronic Library Systems (ELS) of RUDN University and other institutions, to which university students have access on the basis of concluded agreements:

- ELS of RUDN University <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 foundation of legal and normative-technical documentation <http://docs.cntd.ru/>
- Yandex search system <https://www.yandex.ru/>
- Google search system <https://www.google.ru/>
- Scopus reference database <http://www.elsevierscience.ru/products/scopus/>

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

- Instructions for labour 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 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.

**DEVELOPER:**

Associate Professor of the Department of  
Mechanics and Control

\_\_\_\_\_  
position, educational department

  
\_\_\_\_\_  
signature

L.O. Andreeva  
name and surname

**HEAD OF EDUCATIONAL DEPARTMENT:**

Head of Department of Mechanics and Control

\_\_\_\_\_  
educational department

\_\_\_\_\_  
signature

Y.N. Razoumny  
name and surname