Federal State Autonomous Educational Institution of Higher Education

PATRICE LUMUMBA PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA

RUDN University

Institute of Russian language

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Digital technologies in education

course title

Recommended by the Didactic Council for the Education Field of:

Intellectual systems in humanitarian environment

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Intellectual technologies and data analysis in humanitarian sphere (Magister's level)

higher education programme profile/specialisation title

2025

1. INTERNSHIP GOALS

The goal of the Internship   is to develop the future teacher's information culture and digital competencies in the area related to the use of information technology both in the classroom and remotely.

The course is intended to help students to

- to become familiar with the current state of the problem area "Digital technologies in education";
- to gain knowledge of the didactic possibilities of computer-in-education resources;
- to learn about the sources of digital educational resources on the profile of training, to develop search skills for such resources;
- to gain knowledge of the skills required to create digital educational resources of a particular kinship.

2. REQUIREMENTS FOR LEARNING OUTCOMES

1) The internship implementation is aimed at the development of the following competences (competences in part):

Table 2.1. List of competences that students acquire during the internship

Competence code	Competence descriptor	Competence formation indicators (within this course)
UC-4	ability to use current communication tools for academic and professional interaction in the Russian Federation's official language and in one or more foreign languages.	UC-4.1 Usage of various types of communication technologies for academic and professional interaction
GPC-1	ability to use a variety of communicative tactics, rhetorical devices, and stylistic devices used in a variety of communication sectors in his professional work, including teaching.	GPC-1.1 Implementation of professional communication in activities related to science, education, information and communication, translation, and other branches of philology
GPC-4	usage of digital technologies and methodologies in philological professional activity for the research and modelling of professional activity objects, data analysis, and information presentation.	GPC-4.3 Usage of digital technologies and methods in professional activities to present informationг

3. INTERNSHIP IN HIGHER EDUCATION PROGRAMME STRUCTURE

The internship refers to the variable component of block of the higher educational programme curriculum.

Table 3.1. The list of the higher education programme components that contribute to the achievement of the expected learning outcomes as the internship results.

Competence code	Competence descriptor	Previous courses/modules, internships*	Subsequent courses/modules, internships*
UC-4	ability to use current communication tools for academic and professional interaction in the Russian Federation's official language and in one or more foreign languages.	Pedagogical design Foreign language Russian language as foreign	Magister's thesis
GPC-1	ability to use a variety of communicative tactics, rhetorical devices, and stylistic devices used in a variety of communication sectors in his professional work, including teaching.	Philology in the system of modern humanitarian knowledge	Infostylistics Pedagogical practice
GPC-4	usage of digital technologies and methodologies in philological professional activity for the research and modelling of professional activity objects, data analysis, and information presentation.	Python programming	Storytelling in digital and traditional environment Machine learning. Speech Recognition Tools

* To be filled in according with the competence matrix of the higher education programme.

4. INTERNSHIP WORKLOAD

Possible wording

1)The total workload of the internship is 3 credits (108 academic hours).

5. INTERNSHIP CONTENTS

Table 5.1. Internship contents*

Modules	Contents (topics, types of practical activities)	Workload, academic hours
Module 1. Digitalization of education in Russia and in the world	Brief history of educational technologies. IT technologies in education. Digitalization of education. Digital transformation of education. Benefits of digitalization of the educational cluster. Digital educational trends. Health impacts of	3

Modules	Contents (topics, types of practical activities)	Workload, academic hours
	digitalization.	
Module 2. Didactic capacity of digital technologies	Didactic capacity of using multimedia technology and virtual reality. Didactic capacity of telecommunications technology. Didactic capacity of computer modelling. Didactic capacity of Artificial Intelligence.	4
Module 3. Digital educational resources	Introduction to remote teaching and digital tools for presenting content. Tools for developing and designing learning materials. Applications for developing lexico-grammatical simulators. Digital tools for creating games. Digital tools for online assessment. Digital tools for creating online games.	4
Module 4. Digital technologies of distance learning and mobile learning	The concept of distance learning and its forms. Modern models of distance learning. Mobile learning. Using the phone for educational purposes. Advantages and disadvantages of mobile learning.	4
Self-study		73
Knowledge control		18
TOTAL:		**108**

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

6. INTERNSHIP EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

The infrastructure and technical support necessary for the internship implementation include: computer classes and devices that comply with current sanitary and fire safety standards.

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

Main readings:

1. Жукова Г.С., Борисова Л.Р., Седых И.Ю. Цифровые трансформации в современном образовании.Москва.Кнорус.2021. 196 с. https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=507365&idb=0
2. Герасимова В.Г., Романова Ю.Д., Дьяконова Л.П. Цифровое образование: модели, платформы и технологии.Москва. Русайнс. 2023. 145 с. https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=507363&idb=0
3. Гриншкун В.В. Современная цифровая образовательная среда: ресурсы, средства, сервисы. Москва. Проспект.2021. 213 с. https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=506978&idb=0
4. Мусиенко С.О., Д.А. Егорова, Хрустова Л.Е., Корнилова Е.В. Цифровизация образования. Москва.Кнорусс. 2022. 162 с. https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=507361&idb=0

Additional readings:

1. Блохина Н.Ю., Кобелева Г.А. Современные образовательные технологии в рамках реализации федерального проекта «Цифровая образовательная среда» КОГОАУ ДПО «ИРО Кировской области». Киров, 2020.74 с.
2. Бурнаева Е.М., Каминская Т.Е. Информационные технологии в педагогической деятельности.Министерство науки и высшего образования Российской Федерации, Тихоокеанский государственный университет. Хабаровск: Изд-во Тихоокеан. гос. унта, 2021. 99 с.
3. Хеннер Е. К. Информационные технологии в образовании. Теоретический обзор. Пермский государственный национальный исследовательский университет. Пермь, 2022.110 с.
4. Transforming higher education through digitalization: Insights, tools and techniques. CRS Press.Taylor and Francis Group.2022. 344 p.

Internet sources

1. Electronic libraries (EL) of RUDN University and other institutions, to which university students have access on the basis of concluded agreements:
- RUDN Electronic Library System (RUDN ELS) http://lib.rudn.ru/MegaPro/Web
- EL "University Library Online" http://www.biblioclub.ru
- EL "Yurayt" http://www.biblio-online.ru
- EL "Student Consultant" www.studentlibrary.ru
- EL "Lan" http://e.lanbook.com/

2.*Databases and search engines:*

- electronic foundation of legal and normative-technical documentation http://docs.cntd.ru/
- Yandex search engine https:// www .yandex.ru/
- Google search engine https://www.google.ru/
- Scopus abstract database http://www.elsevierscience.ru/products/scopus/

The training toolkit and guidelines for a student to do an internship, keep an internship diary and write an internship report*:

1. Safety regulations to do the internship (safety awareness briefing).
2. Machinery and principles of operation of technological production equipment used by students during their internship; process flow charts, regulations, etc. (if necessary).
3. Guidelines for keeping an internship diary and writing an internship report.

*The training toolkit and guidelines for the internship are placed on the internship page in the university telecommunication training and information system under the set procedure.

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).

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