Federal State Autonomous Educational Institution of Higher Education "Russian Peoples' Friendship University named after Patrice Lumumba"

Engineering Academy

(name of the main educational unit (POU) - developer of the EP HE)

DISCIPLINE WORK PROGRAM

ENGLISH LANGUAGE

(name of discipline/module)

Recommended by MSSN for the following areas of training/specialty:

01.04.02 APPLIED MATHEMATICS AND INFORMATION SCIENCE

(code and name of the area of training/specialty)

The discipline is mastered as part of the implementation of the main professional educational program of higher education (OP HE):

BALLISTIC DESIGN OF SPACE COMPLEXES AND SYSTEMS

(name (profile/specialization) EP HE)

2024G.

1. GOAL OF DISCIPLINE MASTERING

The discipline "English Language" is included in the master's program "Ballistic Design of Space Complexes and Systems" in the direction of 01.04.02 "Applied Mathematics and Computer Science" and is studied in the 1st semester of the 1st year. The discipline is implemented by the Department of Foreign Languages. The discipline consists of 1 section and 3 topics and is aimed at studying the language of the specialty, developing and improving students' foreign language communicative competence in the professional field, allowing them to use a foreign language in professional activities, more effectively carry out various types of communication (intercultural, interpersonal, professional, scientific) for solving professional problems, communication and professional interaction with foreign partners, not only within the framework of their professional activities, but also for further self-improvement.

The purpose of mastering the discipline is to form universal competencies in the master's course, mastering specialized skills and mastering multidisciplinary knowledge for the successful implementation of graduates in professional (engineering) and scientific activities.

2. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

Mastering the discipline "English language" is aimed at developing the following competencies (parts of competencies) in students:

Table 2.1. List of competencies formed in students when mastering the discipline (results of mastering the discipline)

Cipher	Competence	Indicators of Competency Achievement (within this discipline)
UK-4	Able to apply modern communication technologies in the state language of the Russian Federation and foreign language(s) for academic and professional interaction	UK-4.1 Selects the style of business communication, depending on the language of communication, the purpose and conditions of the partnership;; UK-4.2 Adapts speech, communication style and body language to interaction situations;; UK-4.3 Searches for the necessary information to solve standard communication problems in Russian and foreign languages;; UK-4.4 Conducts business correspondence in Russian and foreign languages, taking into account the stylistic features of official and informal letters and sociocultural differences in the format of correspondence;; UK-4.5 Uses dialogue for cooperation in academic communication, taking into account the personality of the interlocutors, their communicative speech strategy and tactics, the degree of formality of the situation;; UK-4.6 Forms and argues one's own assessment of the main ideas of the participants in the dialogue (discussion) in accordance with the needs of joint activities.;
PK-5	Able to analyze, including in English, methods for studying ballistic and dynamic characteristics when modeling spacecraft flight trajectories	PC-5.1 Knows proven and applied techniques, including from English-language sources, for studying ballistic and dynamic characteristics when modeling spacecraft flight trajectories;;

3. PLACE OF DISCIPLINE IN THE STRUCTURE OF HE EP

Discipline "English language" refers to the mandatory part of block 1 "Disciplines (modules)" of the educational program of higher education.

As part of the educational program of higher education, students also master other disciplines and/or practices that contribute to achieving the planned results of mastering the English language discipline.

Table 3.1. List of components of EP HE that contribute to achieving the planned results of mastering the discipline

Cipher	Name of competency	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
UK-4	Able to apply modern communication technologies in the state language of the Russian Federation and foreign language(s) for academic and professional interaction		Pre-Graduation Internship in Industry;
PK-5	Able to analyze, including in English, methods for studying ballistic and dynamic characteristics when modeling spacecraft flight trajectories		Pre-Graduation Internship in Industry; Practical Training in Receiving Remote Sensing Data from Satellites and its Interpretation (online from RUDN Mission Control Center) / Research; Practical Training and Research in Dynamics and Control of Space Systems (online from RUDN Mission Control Center) / Research work; Technological Training; Aerospace Systems; Structures & Materials Modeling; System Design; On-board Energy; Dynamics and Control of Space Systems; Advanced Methods of Remote Sensing and Geoinformation Systems;

* - to be filled out in accordance with the competency matrix and SUP EP VO
** - elective disciplines/practices

4. SCOPE OF DISCIPLINE AND TYPES OF STUDY WORK

The total labor intensity of the "English Language" discipline is "2" credit units.

Table 4.1. Types of educational work by periods of mastering the educational program of higher education for full-time study.

Type of educational work	TOTAL,ac.ch.		Semester(s) 1
Contact work, ac.ch.	*20*		*20*
Lectures (LK)	0		0
Laboratory work (LR)	0		0
Practical/seminar sessions (SZ)	20		20
Independent work of students, ac.ch.	*52*		*52*
Control (exam/test with assessment), academic degree.	*0*		*0*
Total labor intensity of the discipline	**ac.ch.**	72	72
	credit units	2	2

5. CONTENT OF DISCIPLINE

Table 5.1. Contents of the discipline (module) by type of academic work

Section number	Name of the discipline section	Contents of the section (topic)		Type of educational work*
Section 1	Basics of Academic/Scholarly Text	1.1	Introduction to academic/scientific text. Types, primary and secondary genres of academic texts. The structure of a scientific text. Scientific style of speech.	NW
		1.2	Academic/scientific text (AT): syntactic analysis. Elements of the content structure of AT. AT syntactic constructions. General scientific and special vocabulary V.T. Syntactic constructions, specifics of academic/scientific text.	NW
		1.3	Target audience of AT, purpose of the speech. Complex Argumentation AT. Foreign words and terms. Syntactic analysis of academic/scientific text. Compiling a glossary for the article.	NW

* - to be filled out only for full-time education: LC – lectures; LR – laboratory work; SZ – practical/seminar classes.

6. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE

Table 6.1. Material and technical support of the discipline

Audience type	Auditorium equipment	Specialized educational/laboratory equipment, software and materials for mastering the discipline (if necessary)
Seminar	An auditorium for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification, equipped with a set of specialized furniture and technical means for multimedia presentations.	BenQ MP 620c projector, projection screen
For independent work	An auditorium for independent work by students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to EIOS.	

* - the audience for independent work of students is MANDATORY!

7. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF DISCIPLINE

Main literature:

1. Bolotova R.Sh. Ustnoye i pismennoye delovoye obshcheniye = Verbal and Written Business Communication: textbook and teaching aid / R.Sh. Bolotova, EV Bonadykova. - Second edition., revised and expanded; Electronic text data. - Moscow: RUDN, 2021. - 148 p. - ISBN 978-5-209-10677-7. https://lib.rudn.ru/ProtectedView/Book/ViewBook/8692

2. Chernova OE Posobiye po nauchnomu stilyu rechi. Angliyskiy yazyk: textbook / OE Chernova, LI Chikilevskaya. - Electronic text data. - M. : RUDN, 2019. - ISBN 978-5-209-09263-6. https://lib.rudn.ru/ProtectedView/Book/ViewBook/7050

Additional literature:

1. Osnovnyye leksicheskiye yedinitsy akademicheskogo angliyskogo yazyka = Introducing Key Academic Vocabulary: textbook and teaching aid / A AS Korzin, VM Shchepetilnikova, RD Cherepakhina, EV Kozhin. - Electronic text data. - Moscow: RUDN University, 2021. - The book is in English - ISBN 978-5-209-10682-1. https://lib.rudn.ru/ProtectedView/Book/ViewBook/8690

Resources of the information and telecommunications network "Internet":

1. EBS of RUDN University and third-party EBS, to which university students have access based on concluded agreements

- Electronic library system of RUDN - EBS RUDN http://lib.rudn.ru/MegaPro/Web

- EBS "University Library Online" http://www.biblioclub.ru
- EBS Yurayt http://www.biblio-online.ru
- EBS "Student Consultant" www.studentlibrary.ru
- EBS "Trinity Bridge"

2. Databases and search engines

- electronic fund of legal and regulatory 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/

Educational and methodological materials for students' independent work when mastering a discipline/module*:

1. A course of lectures on the discipline "English language".

* - all educational and methodological materials for students' independent work are posted in accordance with the current procedure on the discipline page in TUIS!

8. ASSESSMENT MATERIALS AND POINT-RATING SYSTEM FOR ASSESSING THE LEVEL OF COMPETENCIES FOR A DISCIPLINE

Evaluation materials and point-rating system* for assessing the level of development of competencies (parts of competencies) based on the results of mastering the discipline"English language" are presented in the Appendix to this Work Program of the discipline.

* - OM and BRS are formed on the basis of the requirements of the relevant local regulatory act of RUDN University.

DEVELOPER:

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