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

RUDN University

Engineering Academy
(the name of the main department)

PROGRAMM

Psychological and pedagogical technologies in education
(Discipline)

The program track

44.04.02 Pedagogy and Psychology
(code and name of the track)

Pedagogy in Engineering
(name of the profile of the EP VO)

Form of study: **full-time**

2023г.

1. The aim

The purpose of mastering the discipline is to obtain knowledge, skills, abilities and experience in the field of psychological and pedagogical technologies in education, characterizing the stages of the formation of competencies and ensuring the achievement of the planned results of mastering the educational program.

2. Requirements to the outcome of the course

The following competences are formed in the study process:

Таблица 2.1. The list of competencies formed by students in the development of the discipline (the results of mastering the discipline)

Competency Code	Name of competence	Indicators of competence achievement (within the framework of this discipline)
GPC-3	Able to design the organization of joint and individual educational and educational activities of students, including those with special educational needs	GPC-3.1. Competently projects the organization of joint and individual educational and educational activities GPC-3.2. Possesses the skills of organizing joint and individual educational activities of students with special educational needs
GPC-6	Able to design and use effective psychological and pedagogical, including inclusive, technologies in professional activities necessary for the individualization of training, development, education of students with special educational needs	GPC-6.1. Competently owns the psychological and pedagogical technologies necessary for the individualization of training, development, education of students with special educational needs GPC -6.2. Demonstrates the skills of owning inclusive technologies necessary for the individualization of learning, development, education of students with special educational needs
PC-2	Able to design the organization of joint and individual educational and educational activities of students, including those with special educational needs;	PC-2.1. Effectively uses the methods of designing, organizing joint and individual educational and educational activities PC-2.2. Effectively works with students with special educational needs

3. Place of the course in the structure of GEP

Discipline refers to the part of the curriculum formed by participants in educational relations.

Within the framework of the EP HE, students also master other disciplines and undergo internships that contribute to the achievement of the planned results of mastering the discipline.

Таблица 3.1. The list of components of the EP HE that contribute to the achievement of the planned results of mastering the discipline

Competency Code	Name of competence	Previous disciplines/practices*	Follow-up disciplines/practices*
GPC-3	Able to design the organization of joint and individual educational and educational activities of students, including those with special educational needs	Methodology of scientific research	Methodology scientific research Preparation for passing and passing the state exam Execution, preparation for the defense procedure and defense of the final qualification work
GPC-6	Able to design and use effective psychological and pedagogical, including inclusive, technologies in		Formation of a psychologically comfortable

	professional activities necessary for the individual-ization of training, development, education of students with special educational needs		and safe educational environment Preparation for passing and passing the state exam Execution, preparation for the defense procedure and defense of the final qualification work
PC-2	Able to design the organization of joint and individual educational and educational activities of students, including those with special educational needs;		Designing an educational program Introductory practice Research Practice Pedagogical practice Pre-diploma practice Preparation for passing and passing the state exam Execution, preparation for the defense procedure and defense of the final qualification work

* - in accordance with the matrix of competencies and the SUP EP VO

4. Workload of the course and forms of study work

General workload of the course 5 Credits..

Table 4.1. Form of study work of EP HE

Type of educational work		Total, h.	Semester
			1
Class hours (total)		36	36
Including:			
Lectures (Lc)		18	18
Laboratory classes (LC)			
Seminars (S)		18	18
Control		27	27
Autonomous work (AW), hr		117	117
In total	Hr.	180	180
	credits	5	5

5. Content of the course

Table 5.1. Content of the course

The name of the section of the discipline	Content of the section (topic)	Types of educational work*
Section 1 Psychological and pedagogical technologies in pedagogy	Goals of psychological and pedagogical technologies in pedagogy Tasks of psychological and pedagogical technologies in pedagogy The structure of psychological and pedagogical technologies in pedagogy	LC, SM, AW
Section 2 Methodology and types of teaching technologies	Methods of teaching technologies Types of learning technologies Specificity of psychological and pedagogical technologies in the training of engineers	LC, SM, AW
Section 3	Psychological and pedagogical technologies for the study of	LC, SM,

Psychological and pedagogical research technologies individual psychological characteristics of participants in the educational process	individual psychological characteristics of students and teachers, their importance in the organization of the educational process Determination of students' inclinations to subject, professional activities, including engineering, engineering and humanities, their importance in the formation of motivation for educational and future professional activities Taking into account the individual characteristics of students in the construction of an educational program and an individual learning trajectory Interaction of participants in the educational process, taking into account the specifics of the study of engineering disciplines	AW
Section 4 Principles of development of psychological and pedagogical technologies of teaching	Principles of development, self-development and health preservation of the individual Didactic principles of teaching, their implementation in the educational process: The principle of scientific research The Principle of Consciousness and Activity The principle of unity of theory and practice The principle of visibility The principle of accessibility The principle of systematization The principle of the strength of the assimilation of knowledge The principle of an individual approach	LC, SM, AW
Section 5 Psychological and pedagogical technologies for diagnosing the development of intellectual and professional abilities	Objective methods - the degree of involvement and influence of the psychodiagnostics on the procedure, processing and interpretation of diagnostic results (instrumental techniques, tests, some standardized self-reports) Dialogical methods - the influence of experience, professional skills, personality of the experimenter and his other characteristics on the diagnostic procedure and diagnostic results. Creation of optimal conditions for obtaining diagnostically important information (conversations, interviews, diagnostic games; pathopsychological experiment; projective techniques) Methods of projective technique	LC, SM AW

* - LC – lecture, LR – laboratory work, SM – seminars; AW – Autonomous work

6. Technical Support Requirements

Table 6.1. Technical Support Requirements

A type of a classroom	Technical Support Requirements	Special equipment, software
For lectures	An auditorium for lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations	Technical means: projector Epson EH-TW5300 (LCD, 1080p 1920 x 1080, 2200Lm, 35000:1, 2 x HDMI, MHL, экран Draper Baronet NTSC (3:4) 244/96(8) 152*203 MW
For seminars	Auditorium for seminar-type classes, group and individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and technical means of multimedia presentations	Computer class; technical equipment: personal computers, projection screen, multimedia projector, NEC NP-V302XG, Internet access. Software: Microsoft products (OS, office suite, incl. MS Office/Office 365, Teams, Skype), Autodesk AutoCAD 2021, Autodesk AutoCAD 2021 (English language.),

		Autodesk Inventor 2021, Autodesk Revit 2021, ArchiCAD 23 (free tutorial versions)
For autonomous work	Auditorium for independent work of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the EIOS	Computer class; technical equipment: personal computers, projection screen, multimedia projector, NEC NP-V302XG, Internet access. Software: Microsoft products (OS, office suite, including. MS Office/Office 365, Teams, Skype), Autodesk AutoCAD 2021, Autodesk AutoCAD 2021 (English), Autodesk Inventor 2021, Autodesk Revit 2021, ArchiCAD 23 (Free Tutorial Versions)

7. EDUCATIONAL, METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

Main literature:

1. Buhalkov M.I. Personnel Management: Textbook for Universities / 2nd ed. Moscow: Infra-M. 2008. 400 p.

2. Kibanov A.Y. Personnel management of the organization: Practicum: Textbook / Ed. by A.Y. Kibanov. 2nd ed. Moscow: Infra-M. 2008. 365 p.

Further reading:

1. Neverov A.V. Personnel assessment as a factor in the social development of the organization. Monograph / M.: RUDN University Publishing House. 2015. 180 p. Electronic resource.

2. Mikhailova O.B. Theory and practice of personnel management. Textbook / M.: RUDN University Publishing House. 2013. 195 p. Electronic resource.

3. Antsupov A.Ya., Kovalev V.V. Socio-psychological assessment of personnel: Textbook / 2nd ed. M.: UNITY-DANA. 2012. 399 p. Electronic resource.

4. Egorshin A.P. Fundamentals of personnel management. Textbook / 2nd ed. Moscow: Infra-M. 2008. 352 p. Electronic resource.

1) Odegov Yu.G., Nikonova T.V. Audit and controlling of personnel. Textbook / M.: Alfa-Press. 2006. 560 p.

Electronic library systems:

1) The electronic library system (ELS) of RUDN University and third-party EBS, to which university students have access on the basis of concluded contracts:
− ELS RUDN http://lib.rudn.ru/MegaPro/Web
− ELS «University Library Online» http://www.biblioclub.ru
− ELS «Юрайт» http://www.biblio-online.ru
− ELS «Student Advisor» www.studentlibrary.ru
− ELS «Лань» http://e.lanbook.com/
− ELS «Троицкий мост»

2) Databases and browsers:
− Electronic fund of legal and normative-technical documentation http://docs.cntd.ru/
− Yandex search https://www.yandex.ru/
− Google search https://www.google.ru/
− Abstract database SCOPUS http://www.elsevierscience.ru/products/scopus/

3) Websites of relevant ministries and departments:
− https://www.mos.ru/mka/
− http://www.minstroyrf.ru/

1. http://www.smartcat.ru/Personnel Personnel Management: Electronic Library of Educational Literature.

4) http://www.seminarna.ru/147.html Human Resource Management: Articles

5) http://www.univerlib.ru/book/motivacija-i-ocenka-personala-29.html Personnel management of the organization. Workshop. under the editorship of A.Y. Kibanov
http://www.businesstest.ru/ Деловые тесты

Educational and methodological materials for independent work of students in the development of the discipline*:

A course of lectures on the discipline.

Materials for assessing the level of mastering the educational material of the discipline (assessment materials), including a list of competencies indicating the stages of their formation, a de-scription of indicators and criteria for assessing competencies at various stages of their formation, a description of assessment scales, standard control tasks or other materials necessary for assessment knowledge, abilities, skills and (or) experience of activity, characterizing the stages of the formation of competencies in the process of mastering the educational program, the methodological materials defining the procedures for assessing knowledge, skills, skills and (or) experience of the activity, characterizing the stages of the formation of competencies, are developed in full and are available for students on the discipline page in the TUIS RUDN University

* - all educational and teaching materials for independent work of students are placed in accordance with the current procedure on the discipline page in the telecommunication educational and information systeme (TUIS) of RUDN University

7.   Assessment system

Assessment materials and a point-rating system* for assessing the level of formation of competencies (part of competencies) based on the results of mastering the discipline are presented in the Appendix to tis Work Program of the discipline.

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

Educational designer:

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