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Информация о владельце:  
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Должность: Ректор  
Дата подписания: 29.06.2022 17:34:50  
Уникальный программный ключ:  
ca953a0120d891083f939673078ef1a989dae18a

**Federal State Autonomous Educational Institution of Higher Education  
«Peoples' Friendship University of Russia»**

**Engineering Academy**

(Name of the main educational unit (OYU) – developer OP VO)

**WORKING PROGRAM OF THE DISCIPLINE**  
**Assessment of innovative-investment projects effectiveness**  
(Name of the discipline)

According to the direction of preparation

**27.04.05 Innovations Study**

(code and name of the direction of training)

The development of the discipline is carried out within the framework of the implementation of the main professional educational program of higher education

(OP VO)

**Innovation management**

(Name (orientation/profile) OP VO)

Form of education: **Full-time**

## 1. THE PURPOSE OF MASTERING THE DISCIPLINE

The purpose of mastering the discipline is to gain knowledge, skills and experience in the field of evaluating the effectiveness of innovation and investment projects that characterize the stages of the formation of competencies and ensure the achievement of the planned results of mastering the educational program.

## 2. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

Mastering the discipline is aimed at developing the following competencies (parts of competencies) among students:

*Table 2.1. The list of competencies formed by students in the course of mastering the discipline (the results of mastering the discipline)*

Competency code	Name of competence	Competence achievement indicators (within this discipline)
UK-3	Able to organize and manage the work of the team, developing a team strategy to achieve the goal	UK-3.2. Leads team members to solve assigned tasks
PC-2	Able to find (choose) the best solutions when creating new science-intensive products, taking into account the requirements of quality, cost, deadlines, competitiveness and environmental safety	PC-2.1. Demonstrates knowledge of assessing the quality, cost and competitiveness of an innovative product or service

### 1. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF OP VO

The discipline refers to the part formed by the participants in educational relations, block 1 of the OP VO.

As part of the OP VO, students also master other disciplines and undergo internships that contribute to the achievement of the planned results of mastering the discipline.

*Table 3.1. The list of components of the EP HE that contribute to the achievement of the planned results of the development of the discipline*

Competency code	Name of competence	Previous disciplines, practices*	Subsequent disciplines, practices*
UK-3	Able to organize and manage the work of the team, developing a team strategy to achieve the goal	Modern problems of control theory	Innovative technologies of personnel management Preparation for passing and passing the state exam Implementation, preparation for the defense procedure and defense of the final qualification work
PK-2	Able to find (choose) the best solutions when creating new science-intensive products, taking into account the requirements of quality, cost, deadlines, competitiveness and environmental safety	Operational management of high-tech industries Economics of high-tech industries	Strategic controlling in an innovative enterprise Marketing of innovative products Supply chain management in an innovative enterprise Introductory practice Organizational and managerial practice (U) Organizational and managerial practice (P) Undergraduate practice Preparation for passing and passing the state exam Implementation, preparation for the defense procedure and

			defense of the final qualification work Undergraduate practice Preparation for passing and passing the state exam Implementation, preparation for the defense procedure and defense of the final qualification work
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\* - in accordance with the matrix of competencies and EMS OP VO

## 1. VOLUME OF DISCIPLINE AND TYPES OF EDUCATIONAL WORK

The total complexity of the discipline is 3 credit units.

Table 4.1. Types of educational work by periods of mastering the OP VO

Type of study work	Total, Academic hour	Semester
		1
<i>Contact work, academic hour</i>	36	36
Including:		
Lecture (Lec)	18	18
Laboratory works (LW)		
Practical / Seminar classes (SC)	18	18
<i>Independent work of the student (SR), academic hours.</i>	72	72
<b>The total complexity of the discipline</b>	Academic hours	108
	Credit Units	3

## 2. CONTENT OF THE DISCIPLINE

Table 5.1. The content of the discipline by type of educational work

Name of the discipline section	Contents of the section (topic)	Types of educational work
<b>Section 1</b> Theoretical foundations for evaluating the effectiveness of innovative projects	Topic 1.1. Innovation project. The concept of an innovative project. Life cycle of innovative projects. Types of efficiency of innovative projects Topic 1.2. Preliminary analysis of innovations and preparation of a business plan. Product selection and competitive strategy. Evaluation of sales markets. Evaluation of competitors	LEC, SM, IW
<b>Section 2</b> Methodological bases for making investment decisions	Topic 2.1 Investment evaluation methodology. Financial viability of the recipient enterprise and investment attractiveness of the project Topic 2.2. Criteria for making investment decisions. Principles for evaluating the effectiveness of investments. Assessment of the financial viability of an innovative project. Rules for the financial and economic evaluation of innovative projects Topic 2.3. Preparation of a cash flow forecast for operating, production and financial activities, a profit and loss statement, a forecast balance sheet. Commercial efficiency of projects, budgetary efficiency of projects	LEC, SM, IW
<b>Section 3</b> Methods of financing innovative projects	Topic 3.1. Financing of innovative projects. Investment resources. Characteristics of the sources of financing of innovative projects: own and borrowed funds, external and internal in relation to the project. Leasing, factoring, credit, venture financing Topic 3.2. Determining the cost of investment resources: the cost of individual elements of the firm's capital. Marginal price of capital Topic 3.3. Choice of innovative projects in case of short-term deficit of funds,	LEC, SM, IW

	in case of long-term deficit of funds	
<b>Section 4</b> Analysis and expertise of an innovative project	Topic 4.1. Analysis and expertise of an innovative project Topic 4.2. Sources of information for the analysis of an innovative project. Stages of analysis, reasons and content of the analysis	LEC, SM, IW
<b>Section 5</b> Innovation Project Evaluation Software	Topic 5.1. Software for the process of making innovative decisions. Overview of the market for software products for calculating business plans for innovative projects Topic 5.2. Automation of business planning processes. Software products of the company "Proinvestkolsanting" (Project Expert 7)	LEC, SM, IW

\* - LEC - lecture, LR - laboratory work, SM - seminars; IW - independent work

### 3. LOGISTICS AND TECHNICAL SUPPORT OF THE DISCIPLINE

Table 6.1. Logistics of discipline

Types of Auditorium	Audience equipment	Specialized educational / laboratory equipment, software and materials for mastering the discipline (if necessary)
Lecture	An auditorium for lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations	-
Seminar	An auditorium for conducting seminar-type classes, group and individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and technical means for multimedia presentations	-
For independent work of students	An 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 EIOS	-

### 4. EDUCATIONAL-METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

#### Main literature:

- 1) Мельников Р.М. Экономическая оценка инвестиций. Электронные данные. / Электронный ресурс. <http://e.lanbook.com/book/54912>
- 2) Полянская О.А., Дикая З.А. Экономическая оценка инвестиций: учебное пособие Электронные данные / СПб.: СПбГЛТУ. 2012. 44 с. Электронный ресурс. <http://e.lanbook.com/book/45597>
- 3) Стёпочкина Е.А. Экономическая оценка инвестиций: учебное пособие / Саратов. Электронный ресурс. <http://www.iprbookshop.ru/29291>
- 4) Дударева О.В. Экономическая оценка инвестиций: Учебное пособие: практикум / Воронеж: ГОУВПО "Воронежский государственный технический университет". Электронный ресурс. <http://catalog.vorstu.ru>

#### Дополнительная литература:

- 1) Турманидзе Т.У. Анализ и оценка эффективности инвестиций (2-е издание): учебник для студентов вузов, обучающихся по экономическим специальностям / М.: ЮНИТИ-ДАНА. 2019. 247 с. Электронный ресурс. <http://www.iprbookshop.ru/59291>

#### Ресурсы информационно-телекоммуникационной сети «Интернет»:

- 1) Электронно-библиотечная система (ЭБС) РУДН и сторонние ЭБС, к которым студенты университета имеют доступ на основании заключенных договоров:
  - ЭБС РУДН <http://lib.rudn.ru/MegaPro/Web>
  - ЭБС «Университетская библиотека онлайн» <http://www.biblioclub.ru>

- ЭБС «Юрайт» <http://www.biblio-online.ru>
- ЭБС «Консультант студента» [www.studentlibrary.ru](http://www.studentlibrary.ru)
- ЭБС «Лань» <http://e.lanbook.com/>
- ЭБС «Троицкий мост»
  - 2) Базы данных и поисковые системы:
    - электронный фонд правовой и нормативно-технической документации <http://docs.cntd.ru/>
    - поисковая система Яндекс <https://www.yandex.ru/>
    - поисковая система Google <https://www.google.ru/>
    - реферативная база данных SCOPUS <http://www.elsevierscience.ru/products/scopus/>
    - научная электронная библиотека eLIBRARY <https://www.elibrary.ru/>
  - 3) Сайты профильных министерств и ведомств:
    - <https://www.mos.ru/mka/>
    - <http://www.minstroyrf.ru/>

*Educational and teaching materials for independent work of students in the course of mastering the discipline\*:*

1) A course of lectures on the discipline.

\* - 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 information system (TEIS) of RUDN

## **5. EVALUATION MATERIALS AND SCORE-RATING SYSTEM FOR ASSESSING THE LEVEL OF FORMATION OF COMPETENCES IN THE DISCIPLINE**

Evaluation materials and a point-rating system\* for assessing the level of formation of competencies (parts of competencies) based on the results of mastering the discipline 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 normative act of RUDN University

### **Educational designer:**

Associate Professor, Ph.D



E. A. Kovaleva

### **Director of innovation management in industries department**



O.E. Samusenko

### **Head of EP HE:**

Associate Professor, Ph.D



Yu. A. Nazarova