

Документ подписан  
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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**

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

**COURSE SYLLABUS**

**Assessment of Innovative-Investment Project Effectiveness**

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course title

**Recommended by the Didactic Council for the Education Field of:**

27.04.05 Innovatics

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field of studies / speciality code and title

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

Digital transformation in production management

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higher education program profile / specialization title

**2025 year**

## 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.

The purpose of mastering the discipline is to acquire knowledge, skills and abilities in the field under study, characterizing the stages of competence formation and ensuring 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)
GC-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

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

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

Within the higher education programme students also master other disciplines and internships that contribute to the achievement of the expected learning outcomes as results of the subject mastery.

*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
GC-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
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	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

## 4. 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
Contact work	36	36
Including:		
Lecture	18	18

Seminar classes		18	18
Independent work of the student		63	63
Control (test with assessment)		9	9
<b>The total complexity of the discipline</b>	Academic hours	108	108
	Credit units	3	3

## 5. 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, in case of long-term deficit of funds	LEC, SM, IW
<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, SM - seminars; IW - independent work

## 6. 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 interme-	-

	diate 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	-

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

### *Main literature:*

1. Проскурин В.К. Анализ, оценка и финансирование инновационных проектов: учебное пособие / 2-е изд., доп. и перераб. М.: Вузовский учебник: ИНФРА-М, 2024. 136 с.
2. Касьяненко Т.Г., Маховикова Г.А. Экономическая оценка инвестиций: учебник и практикум / М.: Издательство Юрайт, 2023. 559 с. (Бакалавр и магистр. Академический курс). ISBN 978-5-9916-3089-4. Текст: электронный // Образовательная платформа Юрайт [сайт]. URL: <https://urait.ru/bcode/533059>
3. Мельников Р.М. Экономическая оценка инвестиций. [Электронный ресурс] Электрон. дан. Режим доступа: <http://e.lanbook.com/book/54912>.
4. Стёпочкина Е.А. Экономическая оценка инвестиций [Электронный ресурс]: учебное пособие/ Электрон. текстовые данные. Саратов: Режим доступа: <http://www.iprbookshop.ru/29291>. ЭБС «IPRbooks».
5. Дударева О.В. Экономическая оценка инвестиций: Учеб. пособие: практикум / Воронеж: ГОУВПО «Воронежский государственный технический университет». Режим доступа: <http://catalog.vorstu.ru>

### *Additional literature:*

Турманидзе Т.У. Анализ и оценка эффективности инвестиций (2-е издание) [Электронный ресурс]: учебник для студентов вузов, обучающихся по экономическим специальностям / Электрон. текстовые данные. М.: ЮНИТИ-ДАНА, 2019. 247 с. Режим доступа: <http://www.iprbookshop.ru/59291>. ЭБС «IPRbook».

*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](http://www.studentlibrary.ru)
- ELS «Троицкий мост»

### *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/>

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

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

## 8. 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.

**DEVELOPERS:**

Associate professor, Department of Innovation  
Management in Industries

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position, educational department

E.A. Kovaleva

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name and surname

**HEAD OF EDUCATIONAL DEPARTMENT:**

Department of Innovation Management in Industries

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educational department

O.E. Samusenko

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name and surname

**HEAD OF EDUCATIONAL PROGRAM:**

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