

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

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

COURSE SYLLABUS

Run-time Controlling at Innovative Enterprise

course title

Recommended by the Didactic Council for the Education Field of:

27.04.05 Innovatics

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

higher education program profile / specialization title

2025 year

1. THE PURPOSE OF MASTERING THE DISCIPLINE

The goals and objectives of the discipline are to get knowledge, skills, abilities and experience in the field of operational controlling at an innovative enterprise, characterizing the stages of the formation of competencies and ensuring 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	A competence	Indicators of achieving a competence
GPC-2	Able to identify control tasks in technical systems and find methods for solving them	GPC-2.1. chooses the best methods for solving control tasks in technical systems, is able to manage the project at all stages of its life cycle GPC-2.2. competently formulates control tasks in technical systems
GPC-3	Able to solve control tasks in technical systems independently based on the latest achievements of science and technology	GPC-3.1 independently finds sources of information for solving control tasks in technical systems

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

The discipline refers to the mandatory part 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 OP VO that contribute to the achievement of the planned results of the development of the discipline

Competency code	A competence	Preceding courses	Following courses
GPC-2	Able to identify control tasks in technical systems and find methods for solving them	Supply chain management in an innovative enterprise; Organizational and managerial practice	Marketing of innovative products; Preparation for passing and passing the state exam; Fulfillment, preparation for the defense procedure and defense of the final qualifying work
GPC-3	Able to solve control tasks in technical systems independently based on the latest achievements of science and technology	Introductory practice; Organizational and managerial practice	Organizational and managerial practice; Preparation for passing and passing the state exam; Fulfillment, preparation for the defense procedure and defense of the final qualifying work

4. VOLUME OF DISCIPLINE AND TYPES OF EDUCATIONAL WORK

The total complexity of the discipline is 5 credit units.

Table 4.1. Types of educational work by periods of development of OP VO

Type of study work	Total, academic hour	Semester
		3
Contact work	36	36
Including:		
Lecture	18	18
Seminar classes	18	18
Independent work of the student	117	117
Control (test with assessment)	27	27

The total complexity of the discipline	Academic hours	180	180
	Credit units	5	5

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
Section 1 Controlling function of management. How to setup a controlling department. Financial controlling.	Essence, tasks and functions of operational controlling. How to setup a controlling department. Controlling objects. Financial controlling. Fundamentals of finance in controlling. Management accounting system	LEC, SM, IW
Section 2 Applied controlling. Information support. Planning and budgeting. Internal control system.	Marketing Controlling. Controlling innovation projects. Information support of controlling. Planning and budgeting in the controlling system. Internal control system. Internal control and audit.	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 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	-

7. EDUCATIONAL-METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

Main literature:

1. Ковалева Е.А., Бекбулатова А.С., Самусенко О.Е. Основы контроллинга: учебное пособие / М.: РУДН, 2024. 78 с. ISBN 978-5-209-12315-6.

2. Фольмут Х.Й. Инструменты контроллинга от А до Я: перевод с немецкого / Под ред. М.Л. Лукашевича и Е.Н. Тихоненковой. М.: Финансы и статистика. 2001. 288 с. ISBN 5-279-01737-X.

3. Журавлева Е.А., Сопилко Н.Ю. Основы контроллинга: методические рекомендации к выполнению практических заданий для студентов инженерных и экономических специальностей и направлений подготовки / М.: Изд-во РУДН. 2011. 25 с. ISBN 978-5-209-04143-6. Электронный документ. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=379562&idb=0.

4. Дайле А. Практика контроллинга: перевод с немецкого / Под ред. М.Л. Лукашевича, Е.Н. Тихоненковой. М.: Финансы и статистика. 2005. 336 с. ISBN 5-279-02093-1.

Additional literature:

1. Воронова Е.Ю. Управленческий учет: учебник для академического бакалавриата / 3-е изд. М.: Юрайт. 2018. 428 с. ISBN 978-5-534-00500-4: 999.00.

2. Малиновская Н.В. Сборник задач по управленческому учету: учебно-методическое пособие / 3-е изд. М.: Изд-во РУДН. 2018. 64 с. ISBN 978-5-209-08598-0. Электронный документ. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=470363&idb=0.

3. Коробова О.С. Основы экономики и менеджмента: учебно-методическое пособие / М.: РУДН. 2020. 57 с. ISBN 978-5-209-10703-3: 154.72. Электронный документ. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=470313&idb=0.

4. Сергеева М.Г. Организация и методика проведения практических занятий по основам экономики и менеджмента: учебно-методическое пособие: в 2 частях. Ч. 2: Менеджмент / М.: РУДН, 2020. 73 с. ISBN 978-5-209-10147-5-ISBN 978-5-209-09520-0: 75.69. Электронный документ. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=492412&idb=0.

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 «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:

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