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

Strategic 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, and experience in the field of strategic 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-9	Able to solve professional tasks based on the history and philosophy of innovation, mathematical methods and models for managing innovation, knowledge of the features of emerging technological structures and the fourth industrial revolution in the innovation field	GPC-9.1. brings a combination knowledge of history and philosophy of innovation and uses them to solve the tasks GPC-9.2. shows the knowledge of technological structures and uses them to solve tasks
PC-2	Able to find (choose) optimal solutions when creating new science-intensive products, considering the requirements of quality, cost, deadlines, competitiveness and environmental safety	GPC-2.1 shows the knowledge of assessing the quality, cost and competitiveness of an innovative product or service
PC-3	Able to develop a plan and program for organizing innovative activities of a research and production unit, to carry out a feasibility study of innovative projects and programs	PC-3.2 develops a plan and program for organizing innovation activities

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-9	Able to solve professional tasks based on the history and philosophy of innovation, mathematical methods and models for managing innovation, knowledge of the features of emerging technological structures and the fourth industrial revolution in the innovation field	-	Preparation for passing and passing the state exam Fulfillment, preparation for the defense procedure and defense of the final qualifying work
PC-2	Able to find (choose) optimal solutions when creating new science-intensive products, considering the requirements of quality, cost, deadlines, competitiveness and environmental safety	Operational management of science-intensive industries; Marketing of innovative products; Evaluation of the effectiveness of innovation and investment projects / International scientific and technical cooperation; Introductory practice; Organizational and managerial	The economy of high-tech industries; Supply chain management in an innovative enterprise; Organizational and managerial practice (P); Undergraduate practice; Preparation for passing and passing the state exam; Fulfillment, preparation for the defense procedure and defense of the

		practice	final qualifying work
PC-3	Able to develop a plan and program for organizing innovative activities of a research and production unit, to carry out a feasibility study of innovative projects and programs	Operational management of science-intensive industries; Programming technologies for innovative productions; Digital technologies for innovative production; Introductory practice; Organizational and managerial practice	Big data processing; Operational control at an innovative enterprise; Organizational and managerial practice (P); Undergraduate 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 6 credit units.

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

Type of study work		Total, academic hour	Semester	
			2	3
Contact work		84	48	36
Including:				
Lecture		34	16	18
Seminar classes		50	32	18
Independent work of the student		114	42	72
Control (test with assessment)		18	18	-
The total complexity of the discipline	Academic hours	216	108	108
	Credit Units	6	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
Section 1 Fundamentals of Strategic Controlling	Essence, tasks and functions of controlling. History of Controlling. Main concepts. Differences between operational and strategic controlling. Main tasks and functions of strategic controlling. Fundamental principles of managerial decisions support by means of controlling in innovative enterprise.	LEC, SM, IW
Section 2 Applied Strategic Controlling	Basic concepts of managerial decisions in the strategies. Strategic Controlling Tools. Goal setting and planning. Strategic planning in the enterprise. Fundamentals of integrated cross-functional enterprise management.	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 independ-	An auditorium for independent work of students (can be used for	

ent work of students	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. Управление по показателям стратегического контроллинга вертикально-интегрированных промышленных групп / Т.Г. Лазовская
// Менеджмент в России и за рубежом. - 2020. - № 1. - С. 66 - 72. - ISSN 80965.

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. Особенности формирования комбинированного подхода к стратегическому планированию инновационными процессами предприятия / Э. А. Бальчик
// Аудит и финансовый анализ. - 2020. - № 4. - С. 137 - 143.

4. 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

5. 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

5. Лылова Е.В. Теория организации: учебно-методическое пособие по написанию и оформлению курсовых работ для студентов по направлению подготовки 38.03.02 "Менеджмент" / М.: РУДН. 2020. 49 с. ISBN 978-5-209-10539-8: 58.85. Электронный документ. http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=494759&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 in-formation 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.

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