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**Federal State Autonomous Educational establishment of higher education
RUDN-University**

Engineering Academy

PROGRAMM

Strategic controlling at innovative enterprise

The program track 27.04.05 Innovation studies

Educational program of higher education

Innovation management

1. The aim

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.

2. Requirements to the outcome of the course:

The following competences are formed in the study process.

Table 2.1. A list of formed competences

A code of a competence	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. Place of the course in the structure of GEP: Part, formed by educational relations participants - the first block of EP HE.

Table 3.1. A list of EP HE components, bringing forward planned results achievement

A code of a competence	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 practice	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 final qualifying work
PC-3	Able to develop a plan and program for organizing innovative activities	Operational management of science-intensive	Big data processing

of a research and production unit, to carry out a feasibility study of innovative projects and programs	industries Programming technologies for innovative productions Digital technologies for innovative production Introductory practice Organizational and managerial practice	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
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4. Workload of the course and forms of study work

General workload of the course 7.

Table 4.1. Form of study work of EP HE

Form of study work	Total hours	Semester	
		2	3
Class hours (total)	84	48	36
Including:			
Lectures (Lc)	34	16	18
Laboratory classes (LC)	-	-	-
Seminars (S)	50	32	18
Autonomous work (AW), hr	114	42	72
Control (exam), acad.hours	18	18	-
In total	hr	216	108
	credits	6	3

5. Content of the course

Table 5.1. Content of the course

Наименование раздела дисциплины	Содержание раздела (темы)	Виды учебной работы
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.	L,S, AW
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.	L,S, AW

L- lectures, S - 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	
For seminars	Audience 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 autonomous work	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 the EIS	-

6. Study-methodical and information sources:

Main literature:

1) 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

2) 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

3) 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

Internet resources:

- 1) <http://www.businessstest.ru/> деловые тесты
- 2) <http://www.smartcat.ru/Personnel/> электронная библиотека учебной литературы
- 3) Electronic library systems:
 - 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
 - ЭБС «Лань» <http://e.lanbook.com/>
 - ЭБС «Троицкий мост»
- 4) Data bases and browsers:
 - electronic fund of regulatory and technical documentation <http://docs.cntd.ru/>
 - search system Yandex <https://www.yandex.ru/>
 - search system Google <https://www.google.ru/>
 - reference database SCOPUS <http://www.elsevierscience.ru/products/scopus/>
- 5) Sites:
 - <https://www.mos.ru/mka/>
 - <http://www.minstroyrf.ru/>

7. Assessment system

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 description 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.

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