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WORKING PROGRAM OF THE DISCIPLINE

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

engineering academy

(name of the main educational unit (MEU) - the developer of the postgraduate program)

department of innovation management in industries

(name of the basic educational unit (BEU) - the developer of the postgraduate program)

WORKING PROGRAM OF THE DISCIPLINE

Management in organizational systems

(наименование дисциплины/модуля)

Scientific specialty:

2.3.4 Management in organizational systems

(код и наименование научной специальности)

**The development of the discipline is carried out as part of the implementation of the
postgraduate program:**

2.3.4 Management in organizational systems

(наименование программы аспирантуры)

2023 г.

1. THE PURPOSE OF MASTERING THE DISCIPLINE

The purpose of mastering the discipline "Management in Organizational Systems" is to prepare for the candidate's examinations, as well as gaining knowledge, skills and experience in the field of managing organizational systems (methods, algorithms for solving management problems, analysis and synthesis of organizational structures, new information technologies, practice-oriented technologies for managing organizational systems).

2. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

Mastering the discipline "Management in organizational systems" is aimed at preparing for the candidate's examinations, as well as gaining knowledge, skills and experience in the field of management in organizational systems.

The main objectives of the discipline are:

- formation of in-depth professional knowledge among graduate students about the development of methods and algorithms for solving control problems;
- formation of ideas about the need to combine various management disciplines and analytical methods in solving management problems in organizational systems;
- preparation of graduate students to apply the acquired knowledge to solve general managerial strategic and tactical tasks.

3. VOLUME OF DISCIPLINE AND TYPES OF EDUCATIONAL WORK

The total labor intensity of the discipline "Management in Organizational Systems" is 3 credits.

Type of study work		Total, ac. hours	semester
Classroom studies, hr		60	60
including:			
Lectures (Lc)		30	30
Practical/seminar classes (PC)		30	30
Independent work of students, hr		48	48
Control (test with assessment), hr			
The total complexity of the discipline	hr	108	108
	credits	3	3

4. CONTENT OF THE DISCIPLINE

Table 4.1. The content of the discipline and types of classes

Name of the discipline section	Contents of the section (topic)	Type of study work
Section 1 Introduction	Topic 1.1. Subject and method of management organizational systems and its relationship with other management disciplines	Lc, S
	Topic 1.2. Theoretical foundations of management in organizational systems.	Lc, S
	Topic 1.3 Algorithms for solving management problems in organizational systems	
	Topic 1.4. Classification of the tasks of managing organizational systems	Lc, S

	Topic 1.5. Mathematical models and criteria for efficiency, quality and reliability of organizational systems.	Lc, S
Section 2 Intelligent support for managerial decision-making in organizational systems	Topic 2.1. Development of methods for solving management problems in organizational systems.	Lc, S
	Topic 2.2. Information support of management systems in organizational systems.	Lc, S
	Topic 2.3. Management systems software in organizational systems.	Lc, S
	Topic 2.4. Decision-making mechanisms in organizational systems.	Lc, S
	Topic 2.5. Methods for obtaining data in organizational systems.	Lc, S
	Topic 2.6. Retrospective, current and expert information.	Lc, S
	Topic 2.7 Identification of models in the management of organizational system	Lc, S
	Topic 2.8 Predicting models of organizational systems	Lc, S
Section 3. Problem Solving organizational systems management	Topic 3.1. Development of methods, analysis of organizational structures	Lc, S
	Topic 3.2. Algorithms for analysis and synthesis of organizational structures	Lc, S
	Topic 3.3. Organizational project management models.	Lc, S
	Topic 3.4. Development of organizational project management methods	Lc, S
	Topic 3.5. Problem-oriented control systems.	Lc, S
	Topic 3.6. Organizational Systems Optimization	Lc, S
	Topic 3.7. Intelligent support for managerial decision-making in organizational systems - methods and algorithms	Lc, S
	Topic 3.8. Development of new information technologies for managing organizational systems	Lc, S
	Topic 3.9 Development of practice-oriented technologies for managing organizational systems	Lc, S

5. LOGISTICS AND TECHNICAL SUPPORT OF THE DISCIPLINE

Table 5.1. Logistics of discipline

Audience type	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.	projector, computer
Seminar	An auditorium for conducting seminar-type classes, group and individual consultations of current control and intermediate certification, equipped with a set of specialized furniture and technical means for multimedia presentations.	projector, screen, computer, chalkboard
For independent work of students	An auditorium for independent work of students (can be used for seminars and consultations), equipped with a computer	projector, screen, computer, chalkboard

* - the audience for independent work of students is required!

6. EDUCATIONAL-METHODOLOGICAL AND INFORMATION SUPPORT OF THE DISCIPLINE

Main literature:

1. Лукашевич В.В. Основы управления персоналом / В.В. Лукашевич. – М.: КноРус, 2011. <https://referatodrom.ru/books/sistema-upravleniya-organizacziej/page/2/>
2. Ресурсы информационно-телекоммуникационной сети «Интернет»:
3. Волкогорова, О.Д. Стратегический менеджмент: Учебник / О.Д. Волкогорова, А.Т. Зуб. – М.: ИД ФОРУМ, НИЦ ИНФРА-М, 2013. <https://referatodrom.ru/books/sistema-upravleniyaorganizacziej/page/2/>
4. Н. Ю. Ульянова. Управление эффективностью групп и команд в организации. М.: Южный Федеральный Университет, 2016
5. Смирнов Э.А. Разработка управленческих решений: Учебник для вузов. – М.: ЮНИТИДАНА, 2011. <https://referatodrom.ru/books/sistema-upravleniya-organizacziej/page/2/>
6. Петр Васильевич Терещенко. Модели организационных систем. М.: Новосибирский государственный технический университет, 2018
7. Волкогорова, О.Д. Стратегический менеджмент: Учебник / О.Д. Волкогорова, А.Т. Зуб. – М.: ИД ФОРУМ, НИЦ ИНФРА-М, 2013. <https://referatodrom.ru/books/sistema-upravleniyaorganizacziej/page/2/>
8. Илья Кошель. Менеджмент: основные технологии. М.: Дашков и К, 2019
9. Аркадий Генкин. Индустриальные системы как объекты экономики и управления. М.: МИСиС, 2014 <https://referatodrom.ru/books/sistema-upravleniya-organizacziej/page/2/>

Additional literature:

1. Т. Н. Варфоломеева. Структуры данных и основные алгоритмы их обработки. М.: ФЛИНТА, 2017 <https://referatodrom.ru/books/sistema-upravleniya-organizacziej/page/2/>
2. Т. Тлегенова. Введение в современные информационные технологии. М.: БИБКОМ, 2012
3. Кибанов А.Я. Управление персоналом: теория и практика. Оценка и отбор персонала при найме и аттестации, высвобождении персонала: учебно-практическое пособие/А.Я. Кибанов, Д.К. Захаров, И.А. Федорова /под ред. А.Я. Кибанова. М.: Проспект, 2012.
4. Смирнов Э.А. Разработка управленческих решений: Учебник для вузов. – М.: ЮНИТИ-ДАНА, 2011. <https://referatodrom.ru/books/sistema-upravleniya-organizacziej/page/2/>
5. Родионова, В.Н. Организация производства и управление предприятием: Учебное пособие / В.Н. Родионова, О.Г. Туровец. – М.: ИЦ РИОР, 2012.
6. Волкогорова, О.Д. Стратегический менеджмент: Учебник / О.Д. Волкогорова, А.Т. Зуб. – М.: ИД ФОРУМ, НИЦ ИНФРА-М, 2013. <https://referatodrom.ru/books/sistema-upravleniya-organizacziej/page/2/>
7. Карлик А.Е., Шухгальтера М.Л. Экономика предприятия / А.Е.Карлик, М.Л.Шухгальтер. – Москва: Инфра-М.- 2009.
8. Лукашевич В.В. Основы управления персоналом / В.В. Лукашевич. – М.: КноРус, 2011. <https://referatodrom.ru/books/sistema-upravleniya-organizacziej/page/2/>
Ресурсы информационно-телекоммуникационной сети «Интернет»:

Resources of the information and telecommunications network "Internet":

1. ЭБС РУДИ и сторонние ЭБС, к которым студенты университета имеют доступ на основании заключенных договоров:

- Электронно-библиотечная система РУДИ — ЭБС РУДИ <http://lib.rudn.ru/МесяPro/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»

2. Data bases and browsers:

- 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/>

7. EVALUATION MATERIALS AND POINT-RATING SYSTEM ASSESSMENT OF THE LEVEL OF FORMATION OF COMPETENCES FOR DISCIPLINE

Evaluation materials and a point-rating system for assessing the development of 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 the Peoples' Friendship University of Russia.

Разработчики:

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