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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 programme developer

COURSE SYLLABUS

Management of Supply Chains 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 programme of higher education:

Digital transformation in production management

higher education programme profile/specialisation title

2024

1. THE PURPOSE OF MASTERING THE DISCIPLINE

The purpose of mastering the discipline is to gain knowledge, skills and experience in the field of innovative tools of supply chain management at innovative enterprises, characterizing the stages of competency 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)

A code of a competence	A competence	Indicators of achieving a competence
GPC-2	Able to formulate control problems in technical systems and justify methods for their solution	GPC-2.1. Chooses the best methods for solving management problems in technical systems is able to manage the project at all stages of its lifecycle GPC-2.2. Competently formulates control tasks in technical systems
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 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	Name of competence	Previous disciplines, practices	Subsequent disciplines, practices
GPC-2	Able to formulate control problems in technical systems and justify methods for their solution	-	Practical applications of Earth remote sensing data and GIS; Introductory training; Organization and managerial training (S); Organization and managerial training (P); Pre-degree training; State exam; Graduation 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		State exam; Graduation qualification 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 3
Contact work		54	54
Including:			
Lecture		18	18
Seminar classes		36	36
Independent work of the student		135	135
Control (test with assessment)		27	27
The total complexity of the discipline	Academic hours	216	216
	Credit Units	6	6

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
Management of material flows on the basis of logistics costs breakdown accounting	Volume of total material flow. Cost of materials handling work at the warehouse of a wholesale distributor. Factors, influencing a total material flow at the warehouse, methods of accounting.	LEC, SM, IW
An order of products acceptance according to quality and quantity	An analysis of standards, being subject to an order of products acceptance. Substantiation of an order of products acceptance by shipping companies. Substantiation of products acceptance terms.	LEC, SM, IW
Calculation of parameters of resources management systems. Management of resources by ABC - analysis	Calculation method of resources management systems parameters. Analysis of an aim and tasks of ABC - analysis. Qualitative and quantitative criteria of differentiation in ABC - analysis.	LEC, SM, IW
Assessment and choice of supplier	Rating of suppliers by quality, prices and reliability of deliveries	LEC, SM, IW
Ways of shipping. An optimal term of carrier vehicle replacement	Analysis of inner and outer factors, influencing ways of shipping and an optimal term of a carrier vehicle replacement for various business cases.	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:

Ivanova T.B., Zhuravleva E.A., Sopilko N.U. Strategic management of logistics, M.: PFUR, 2016. 72 p.

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:*

1) 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.

DEVELOPERS:

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