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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

International Sci-Tech Cooperation

course title

Recommended by the Didactic Council for the Education Field of:

27.04.05 Innovatics

field of studies / specialty 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/specialization title

1. THE PURPOSE OF MASTERING THE DISCIPLINE

The purpose of mastering the discipline is to gain knowledge, skills and experience in the field of international scientific and technical cooperation, characterizing the stages of the formation of competencies 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	Name of competence	Competence achievement indicators (within this discipline)
GC -3	Able to organize and manage the work of the team, developing a team strategy to achieve the goal	UC-3.2. Leads team members to solve assigned tasks
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 part formed by the participants in educational relations 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 EP HE 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
GC-3	Able to organize and manage the work of the team, developing a team strategy to achieve the goal	Modern problems of control theory	Innovative technologies of personnel management Preparation for passing and passing the state exam; Implementation, preparation for the defense procedure and defense of the final 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	Operational management of science-intensive industries; Economics of high-tech industries	Strategic controlling in an innovative enterprise; Marketing of innovative products; Supply chain management in an innovative enterprise; Introductory practice; Organizational and managerial practice (U); Organizational and managerial practice (P); Undergraduate practice; Preparation for passing and passing the state exam; Implementation, preparation for the defense procedure and defense of the final qualification work

4. VOLUME OF DISCIPLINE AND TYPES OF EDUCATIONAL WORK

The total complexity of the discipline is 3 credit units.

Table 4.1 – Types of educational work by periods of mastering the OP VO

Type of study work	Total, academic hour	Semester
		1
Contact work	36	36
Including:		
Lecture	18	18
Seminar classes	18	18
Independent work of a student	63	63
Control (test with assessment)	9	9
The total complexity of the discipline	Academic hours	108
	Credit Units	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	Topic 1.1. Interaction in the scientific and technical sphere: essence, con-	LEC,

Theoretical Foundations of International Scientific and Technical Cooperation	tent and forms Topic 1.2. Instruments of international scientific and technical cooperation Topic 1.3. Analysis of the existing practice of international scientific and technical cooperation Topic 1.4. Scientific and technological potential of the territory	SM, IW
Section 2 Analysis of scientific and technical activities	Topic 2.1. The main components of the scientific, technical and innovative potential Topic 2.2. Formation and functioning of the market of scientific, technical and innovative products Topic 2.3. Priorities of innovative activity. State management of international scientific, technical and innovative activities	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) Амосенок Э.П., Бажанов В.А. Интегральная оценка инновационного потенциала регионов России / Регион: Экономика и социология. 2006. № 2. С. 134–144.
- 2) Ахметова Н.Н. Один из подходов к определению сущности элементов инновационно-инвестиционной модели [http:// www.anrb.ru/isei/cf2002/c504.htm](http://www.anrb.ru/isei/cf2002/c504.htm)
- 3) Белов А.П. Международное промышленное и научно-техническое сотрудничество: понятие и правовые формы / Право и экономика. 2001. № 5. С. 40–48.
- 4) Богдан Н., Драгун В. Проблемы и пути развития экономики знаний / Наука и инновации. 2006. № 7. С. 57–62.
- 5) Иванов В.В. Коммерциализация результатов научно-технической деятельности: европейский опыт, возможные уроки для России / М.: ЦИП РАН. 2006. 264 с.
- 6) Макаров В.Л., Варшавский А.Е. Инновационный менеджмент в России: вопросы стратегического управления и научно-технологической безопасности / М.: Наука. 2004. 880 с.
- 7) Австрийское агентство по продвижению научных исследований. Электронный ресурс. <http://www.ffg.at/content.php?cid=34>

Additional literature:

- 1) Нечепуренко Ю. Управление интеллектуальной собственностью в научно-инновационной сфере / Наука и инновации. 2007. № 7. С. 57–61.
- 2) Никитенко П.Г. Ноосферная экономика и социальная политика: стратегия инновационного развития / Мн.: Белорусская наука. 2006. 479 с.
- 3) НОУ ПК «Институт проблем предпринимательства», официальный сайт <http://www.ipnou.ru/article.php?idarticle=002369>
- 4) О науке и государственной научно-технической политике: федеральный закон от 23.08.1996 № 123-ФЗ <http://mon.gov.ru/dok/fz/nti/898/>

Internet resources:

1) Электронно-библиотечная система (ЭБС) РУДН и сторонние ЭБС, к которым студенты университета имеют доступ на основании заключенных договоров:

- 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»

2) Базы данных и поисковые системы:

- 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/>
- реферативная база данных SCOPUS <http://www.elsevierscience.ru/products/scopus/>
- научная электронная библиотека eLIBRARY <https://www.elibrary.ru/>

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 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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