

Документ подписан простой электронной подписью
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**Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
RUDN University**

Educational and Scientific Information Library Center (Scientific Library)
educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Information databases for scientific research and publications
course title

Recommended by the Didactic Council for the Education Field of:

1.1.7 Theoretical mechanics, machine dynamics
field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Theoretical mechanics, machine dynamics
higher education programme profile/specialisation title



1. PURPOSE OF THE DISCIPLINE

The purpose of mastering the discipline "Information databases for scientific research and publication" is the formation of students' ability to critically analyze and evaluate modern scientific achievements, generate new ideas in solving research and practical problems, including in interdisciplinary areas, independently carry out research activities in the relevant professional field using modern research methods and information and communication technologies.

Tasks:

- to teach students to use modern sources of information in the educational and scientific process, to increase the level of their information culture;
- attach students to teaching in the main educational programs of higher education, participation in the work of Russian and international research teams to solve scientific and educational problems.

2. REQUIREMENTS FOR THE RESULTS OF THE DISCIPLINE

As a result of mastering the discipline "Information databases for scientific research and publication activities", a graduate student must:

know:

modern possibilities of information search in conditions of its redundancy;
composition, features and principles of using world scientific and professional resources;

be able to:

navigate information flows;
work with specialized resources - information databases;

own:

skills in the formation of a search query, evaluation of search results, systematization of relevant, relevant, reliable information and its effective use in writing publications, final qualifying work.

3. SCOPE OF THE DISCIPLINE AND TYPES OF STUDY

The total workload of the discipline " Information databases for scientific research and publication" is 1 credits.

Table 4.1. Types of academic work by period of study of the postgraduate programme

Type of study	TOTAL, ac. h.	Course			
		1	2	3	4
<i>Contact work, ac.h.</i>	18	18			
including:					
Lectures (LC)	10	10			
Laboratory work (LW)					
Practical/seminar classes (SP)	8	8			
<i>Independent work of students, ac.h.</i>	18	18			
<i>Control (credit with grading), ac.h.</i>					
Total time commitment of the discipline	ac.h.	36	36		
	credits	1	1		



5. CONTENT OF THE DISCIPLINE

Table 5.1. Content of the discipline (module) by type of study work

Name of discipline section	Section (topic) content	Type of study
Section 1. Basics of information literacy when working with domestic and international databases	Topic 1.1. Polythematic information resources	LC
	Topic 1.2. Specialized databases	LC
	Topic 1.3. Official verified open access resources: databases, archives, repositories	LC, SP
Section 2. Methods for selecting journals for publications and promoting publication activities	Topic 2.1. Scientometric databases	LC, SP
	Topic 2.2. Modern methods of scientific communication. Scientific social networks, registries, personal identifiers	LC, SP

6. LOGISTICS OF THE DISCIPLINE

Table 6.1. Logistical support for the discipline

Type of audience	Classroom equipment	Specialised training/laboratory equipment, software and materials for the discipline (if necessary)
Lecture room	An auditorium for lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations.	The individual workplace of a postgraduate student must be equipped with a personal device with Internet access. A mobile phone is not a device capable of technically providing access to all information resources and services for the development of modules. Computer classes/audiences should be provided with multimedia and computer equipment with Internet access.
Seminar room	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.	
Computer lab	Computer room for classes, group and individual consultations, current control and interim certification, equipped with personal computers (___ pcs.), blackboard (screen) and technical means of multimedia presentations.	
For independent work of students	An auditorium for students' independent work (can be used for seminars and consultations), equipped with a set of specialised furniture and computers with access to the EIOS.	

* - the classroom for students' independent work is obligatory!

7. TRAINING, METHODOLOGICAL AND INFORMATION SUPPORT FOR THE DISCIPLINE

Basic literature:



1. Lotova Elena Yurievna. Formation of information culture. Informational resources. Search for information [Text/electronic resource]: Educational-methodical complex / E.Yu. Lotov. - M.: Publishing House of RUDN University, 2012. - 172 p., <http://lib.rudn.ru/ProtectedView/Book/ViewBook/3564>

2. Guide to scientometrics: indicators of the development of science and technology / M. A. Akoev, V. A. Markusova, O. V. Moskaleva, V. V. Pisyakov; under. Ed. M. A. Akoeva. - Yekaterinburg: Publishing House of the Ural University, 2014. - 250 p. <https://cyberleninka.ru/article/n/2015-03-029-rukovodstvo-po-naukometrii-indikator-razvitiya-nauki-i-tehnologii-ma-akoev-va-markusova-ov-moskaleva-vv-pisyakov-pod-red-ma>

3. Guide to scientometrics: indicators of the development of science and technology / M. A. Akoev, V. A. Markusova, O. V. Moskaleva, V. V. Pisyakov; under. Ed. M. A. Akoeva. - Yekaterinburg: Ural University Press, 2021. - 358 p. - <https://www.elibrary.ru/item.asp?id=46376441>

4. Kolin K.K., Ursul A.D. Information and culture. Introduction to Information Cultural Studies. - M.: Publishing house "Strategic priorities", 2015. - 288 p. https://istina.msu.ru/media/publications/book/dbe/cfe/9639886/Inf._i_kultura._2015.pdf

Further reading:

1. Zakharova S.S. Reflection of communication within the scientific community in databases for information support of research // Proceedings of the International Scientific and Practical Conference. In 2 parts. Comp. E.A. Ivanova, editorial board: V.V. Duda (Chairman), Yu.S. Belyankin, E.N. Guseva [i dr.]. – M.: Pashkov Dom Publishing House, 2021. - <https://www.elibrary.ru/item.asp?id=46376441>

2. Muravitskaya R., Voronovich S. Information support of scientific research in the agro-industrial complex // Science and innovations. - 2019, No. 5. <https://cyberleninka.ru/article/n/informatsionnoe-obespechenie-nauchnyh-issledovaniy-v-apk/viewer>

3. Elkina E.E. Digital culture: concept, models and practices // Information society: education, science, culture and technologies of the future.

Issue 2. 2018. - <https://openbooks.itmo.ru/en/file/8471/8471.pdf>

Resources of the information and telecommunication network "Internet":

1. the RUDN electronic library system and third-party electronic libraries to which university students have access on the basis of contracts:

- RUDN Electronic Library System - RUDN EBS <http://lib.rudn.ru/MegaPro/Web>
- The University Library Online electronic library system <http://www.biblioclub.ru>
- The Yurite electronic library system <http://www.biblio-online.ru>
- Student Consultant electronic library system www.studentlibrary.ru
- Lan LGS <http://e.lanbook.com/>
- Trinity Bridge

2. databases and search engines:

- electronic collection of legal and normative-technical documentation <http://docs.cntd.ru/>



- search engine Yandex <https://www.yandex.ru/>
 - Google search engine <https://www.google.ru/>
 - SCOPUS abstract database <http://www.elsevierscience.ru/products/scopus/>
- Teaching materials for students' independent work while mastering the discipline/module*:*

All teaching materials for students' independent work are placed in accordance with the current procedure on the discipline page in TUIS!

8. ASSESSMENT MATERIALS AND SCORING SYSTEM FOR ASSESSING THE LEVEL OF COMPETENCE IN THE DISCIPLINE

The assessment materials and grading system for the discipline are presented in the Appendix to this Work Programme of the discipline.

* - OM and BRS are formed based on the requirements of the relevant local normative act of PFUR.

DEVELOPERS:

Position, BD	Signed	Name and surname
Position, BD	Signed	Name and surname
Position, BD	Signed	Name and surname
Position, BD	Signed	Name and surname

