Federal State Budgetary Educational Institution of Higher Education "Privolzhsky Research Medical University" Ministry of Health of the Russian Federation

APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: ORGANIZATION OF MEDICINE SUPPLY OF THE POPULATION

Specialty: 33.05.01 PHARMACY

Qualification: PHARMACIST

Department: MANAGEMENT AND ECONOMICS OF PHARMACY AND

PHARMACEUTICAL TECHNOLOGY

Mode of study: FULL-TIME

Labor intensity of the academic discipline: 36 academic hours

The working program has been developed in accordance with the Federal State Educational Standard for the specialty 33.05.01 PHARMACY, approved by Order by Order of the Ministry of Science and Higher Education of the Russian Federation No. 219 of March 27, 2018.

Developers of the working program:

Maxim Alekseevich Mishchenko, PhD in pharmaceutical sciences, associate professor of the Department of management and economics of pharmacy and pharmaceutical technology.

The program was reviewed and approved at the department meeting (protocol No. 9 of 29.04.2021).

Acting head of the Department, PhD in pharmaceutical sciences

29.04.2021

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I.V. Spitskaya

AGREED

Deputy Head of EMA ph.d. of biology

29.04.2021

(signature)

Lovtsova L.V.

- 1. The purpose and objectives of mastering the academic discipline ORGANIZATION OF MEDICINE SUPPLY OF THE POPULATION (hereinafter the discipline):
- 1.1. The purpose of mastering the discipline participation in forming the following competencies:
 - professional competence of (PC-2 (2.2), PC-5 (5.1-5.3)).
 - 1.2. Tasks of the discipline:
- 1. Formation of basic, fundamental pharmaceutical knowledge in the specialty 33.0 5.01 Pharmacy.
- 2. Training of a specialist pharmacist with analytical thinking, well oriented in control-permitting and organizational-managerial activities in the field of circulation of medicines, having in-depth knowledge of related disciplines.
- 3. Formation of skills in mastering the latest technologies and techniques in the field of their professional interests.
- 4. Formation of competences of a specialist pharmacist in carrying out control and permitting procedures related to the circulation of medicines.
- 5. Mastering of organizational measures for storage, transportation, release and sale of medicines.
 - 1.3. Requirements to the deliverables of mastering the discipline As a result of completing the discipline, the student should

Know:

- the basics of health system resource management;
- the structure of the modern health care system of the Russian Federation;
- fundamentals of the legislation of the Russian Federation on protecting the health of citizens and ensuring sanitary and epidemiological well-being in the Russian Federation;
- the procedure for the formation and organization of the work of the commodity distribution network in the pharmaceutical market (retail and wholesale);
- principles and forms of state control and supervision in the field of circulation of medicines;
- the basic principles of state regulation and the pricing process for pharmaceutical goods at all stages of the movement of goods;
- legal, legislative and administrative procedures and policies relating to all aspects of pharmaceutical activities;
- features of the pharmacist's work to conclude contracts with enterprises, institutions in accordance with the procedure established by law;
- the basics of the organization of pharmaceutical care (outpatient-polyclinic and inpatient) to various groups of the population;
- the basics of organizing the provision of medicines to outpatients and inpatients with medicines and other pharmaceutical goods at full cost, as well as for citizens entitled to social assistance;
- the basics of organizing the procurement of medical property for state and municipal needs.

Be able to:

- monitor the state of resource support of the organization (structural unit);
- exercise control over pharmaceutical activities;
- to provide the population entitled to state social assistance;
- make reasonable economic decisions when carrying out activities in the field of circulation of medicines;

- determine the demand and demand for different groups of pharmaceutical products;
- draw up documentation of the established sample for the manufacture, storage, registration and release of medicines and other pharmaceutical products from pharmacy organizations;
 - analyze the state of inventories and determine the sources of their financing;
- select a supplier, conclude supply contracts and draw up documentation on the claim form;
 - place orders for the supply of goods;
- to form prices for pharmaceutical products at all stages of commodity promotion, including in-pharmacy manufacturing.

Possess:

- skills in developing activities to improve the efficiency of using the resources of the organization (structural unit);
- methods, methods of organization of work in the main links of the commodity distribution system of the pharmaceutical market, organization of pharmaceutical activities;
- regulatory and legal documentation regulating the procedure for the work of a pharmacy organization for accepting prescriptions and the requirements of medical and other organizations;
- regulatory and legal documentation regulating the procedure for the work of pharmacy organizations for the release of medicines and other pharmaceutical goods to the population, medical and other organizations;
 - normative, reference and scientific literature for solving professional problems;
- methods of studying demand, forming an assortment and forecasting the need for medicines and other pharmaceutical products;
 - ways of forming prices for medicines and other pharmaceutical goods;
- skills in the selection of optimal suppliers and procurement processes, taking into account previously conducted research on the market of medicines for veterinary use.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.

2.1. The discipline refers to the part formed by the participants of educational relations of Block 1 of GEP HE (B1.PER.E.6).

The discipline is taught in the 9 semester/5 year of study.

2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

- introduction to the specialty;
- law:
- information support of the life cycle of medicines;
- information technologies in pharmacy;
- medical and pharmaceutical commodity science;
- management and economics of pharmacy;
- pharmaceutical propaedeutic practice.

2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:

management and economics of pharmacies.

3. Deliverables of mastering the academic discipline and metrics of competence acquisition ${\bf r}$

Mastering the discipline aims at acquiring the following professional (PC) competence

| nastering the discipline, the students should: |
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| be able to possess |
| - monitor the state of resource support of the organization (structural unit); - exercise control over pharmaceutical activities; - to provide the population entitled to state social assistance; - make reasonable economic decisions when carrying out activities in the field of circulation of medicines; - determine the demand and demand for different groups of the established sample for the manufacture, storage, registration and release of medicines and other pharmacy organizations; - analyze the state of inventories and determine the organizations; - skills in developing activities to improve the efficiency of using the resources of the organization (structural unit); - methods, methods of organization of work in the main links of the commodity distribution system of the pharmaceutical market, organization of pharmaceutical activities; - regulatory and legal documentation regulating the procedure for the work of a pharmacy organizations; - regulatory and legal documentation regulating the procedure for the work of pharmacy organizations for the release of medicines and other |
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| goods; financing; goods to the population, medical and other conclude supply procedures and policies relating to all aspects of pharmaceutical activities; — features of the pharmacist's work to conclude contracts with enterprises, institutions in accordance with population, medical and other organizations; — select a supplier, medical and other organizations; — normative, reference and on the claim form; — normative, reference and scientific literature for solving professional problems; — methods of studying demand, forming an assortment | | | | | |
| - legal, legislative and administrative procedures and policies relating to all aspects of pharmaceutical activities; - features of the pharmacist's work to conclude pharmacist's work to conclude contracts with enterprises, institutions in accordance with policies and supplier, conclude supply of contracts and organizations; other organizations; other organizations; other organizations; on the claim scientific literature for solving professional problems; - methods of studying demand, forming an assortment | | | | | • |
| legislative and administrative procedures and policies relating to all aspects of pharmaceutical activities; — features of the pharmacist's work to conclude supply of work to conclude supply of the pharmacist's with enterprises, institutions in accordance with supplier, conclude supply of contracts and other organizations; — normative, reference and scientific literature for solving professional problems; — methods of studying demand, forming an assortment | | | <i>U</i> | • | • |
| administrative procedures and policies relating to all aspects of pharmaceutical activities; — features of the pharmacist's work to conclude contracts with enterprises, institutions in accordance with enterprises and policies relating draw up — normative, reference and scientific literature for solving professional problems; — methods of studying demand, forming an assortment | | | • | | |
| procedures and policies relating to all aspects of pharmaceutical activities; — features of the pharmacist's work to conclude contracts with enterprises, institutions in accordance with — procedures and policies relating draw up — normative, reference and scientific literature for solving professional problems; — methods of studying demand, forming an assortment | | | | * * | |
| policies relating to all aspects of pharmaceutical activities; form; literature for pharmacist's for the supply of work to conclude contracts with enterprises, institutions in accordance with policies relating draw up documentation reference and scientific literature for solving professional problems; — methods of studying demand, forming an assortment | | | | | |
| to all aspects of pharmaceutical activities; form; literature for pharmacist's for the supply of work to conclude contracts with enterprises, institutions in accordance with pharmaceutical products at all reference and scientific literature for solving professional professional problems; — methods of studying demand, forming an assortment | | | • | | - |
| pharmaceutical activities; form; literature for solving pharmacist's for the supply of work to conclude contracts with enterprises, institutions in accordance with scientific literature for solving professional problems; — methods of studying demand, forming an assortment | | | | | |
| activities; form; literature for solving pharmacist's for the supply of work to conclude contracts with enterprises, institutions in accordance with literature for solving professional problems; — methods of studying demand, forming an assortment | | | _ | | |
| - features of the pharmacist's work to conclude contracts with enterprises, institutions in accordance with enterprises enterprises accordance with enterprises enterp | | | _ | | |
| pharmacist's work to conclude contracts with enterprises, institutions in accordance with pharmaceutical products at all professional problems; — methods of studying demand, forming an assortment | | | • | | |
| work to conclude contracts with enterprises, institutions in accordance with accordance with products at all problems; — methods of studying demand, forming an assortment | | | | _ | |
| contracts with enterprises, institutions in accordance with products at all contracts with enterprises, institutions in accordance with products at all contracts with products with products with products at all contracts with products wit | | | • | * * * | |
| enterprises, institutions in accordance with products at all studying demand, forming an assortment | | | | _ | • |
| institutions in accordance with pharmaceutical products at all demand, forming an assortment | | | | _ | studying |
| accordance with products at all an assortment | | | | | demand, forming |
| | | | | _ | _ |
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| T | I | |
|--------------------|----------------|---------------------------------|
| established by | commodity | the need for |
| law; | promotion, | medicines and |
| - the basics of | including in- | other |
| the organization | pharmacy | pharmaceutical |
| of | manufacturing. | products; |
| pharmaceutical | | ways of |
| care (outpatient- | | forming prices |
| polyclinic and | | for medicines |
| inpatient) to | | and other |
| various groups of | | pharmaceutical |
| the population; | | goods; |
| - the basics of | | skills in the |
| organizing the | | selection of |
| provision of | | optimal suppliers |
| medicines to | | and procurement |
| outpatients and | | processes, taking |
| inpatients with | | into account |
| medicines and | | previously |
| other | | conducted |
| pharmaceutical | | research on the |
| goods at full | | market of |
| cost, as well as | | medicines for |
| for citizens | | veterinary use. |
| entitled to social | | |
| assistance; | | |
| - the basics of | | |
| organizing the | | |
| procurement of | | |
| medical property | | |
| for state and | | |
| municipal needs. | | |

4. Sections of the academic discipline and competencies that are formed when mastering them

| № | Compete nce code | Section name of the discipline | The content of the section in teaching units |
|---|------------------|---|--|
| 1 | PC-2 PC-5 | Organization of medicine supply of the population | Fundamentals of the state policy in the field of drug provision to the population. General characteristics of the drug supply system of the Russian Federation. Organization and provision of drug care in the Russian Federation. Programs to improve drug supply based on the list of essential medicines. State regulation of pricing for medicines. Problems and prospects for the development of the pharmaceutical industry of the Russian Federation. Legislative basis of drug provision to the population. Regulatory and legal framework in the field of organization of drug provision to the population at the present stage. FederalRegulations "On the Circulation of Medicines", "On Licensing certain types of activities", "On Narcotic Drugs and Psychotropic Substances", "On the Basics of Protecting the Health of Citizens in the Russian Federation" The system of drug supply to the population in the Russian Federation. Medical and pharmaceutical organizations in the |

system of drug provision. Types of consumers. Characteristics of types of medical care and types of medical organizations. Types and characteristics of pharmaceutical organizations in the system of drug provision. Types and characteristics of consumers of medicines.

Organization of drug provision to end users. Organization of drug provision in outpatient and polyclinic treatment. Organization of work of pharmacies. Organization of drug provision for citizens who have the right to receive drugs free of charge or on preferential terms for outpatient treatment. Programs and state guarantees of free medical care for citizens. Procedure for providing citizens with the necessary medicines.

Organization of drug provision for medical organizations. The procedure for drug provision of inpatients. Fundamentals of the formulary system in the health care of the Russian Federation. Modern models of drug provision for inpatient patients. The appointment of drugs in the provision of medical care in stationary conditions. The procedure for the release of goods from the pharmacy to the departments and offices of the Ministry of Defense. Accounting for released goods.

Pharmacoeconomic aspects of providing drug care to the population. Characteristics of drug consumption. Methods for determining the need for medicines. Types of demand for medicines. Concepts of need, demand, consumption. Types of consumption and factors affecting the consumption of medicines. Methods for determining the need for medicines. Types of demand. Types of demand.

5. Volume of the academic discipline and types of academic work

| or votable of the deddefine discipline and types of deddefine work | | | | | |
|--|-----------------------------|-----------------|-----------|--|--|
| | Labor | Labor intensity | | | |
| Type of advectional work | volume in | volume in | (AH) in | | |
| Type of educational work | credit units | academic | semesters | | |
| | (CU) | hours (AH) | 9 | | |
| Classroom work, including | 0,61 | 22 | 22 | | |
| Lectures (L) | 0,17 | 6 | 6 | | |
| Laboratory practicum (LP)* | Laborator | not stipulated | | | |
| Practicals (P) | 0,44 | 16 | 16 | | |
| Seminars (S) | Seminars are not stipulated | | | | |
| Student's individual work (SIW) | 0,39 | 14 | 14 | | |
| | | | | | |
| Mid-term assessment | | | | | |
| credit/exam (specify the type) | | | credit | | |
| TOTAL LABOR INTENSITY | 1 | 36 | 1 | | |

6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

| No | Name of the section of the | Types of academic work* (in AH) | | | | | |
|----|---|---------------------------------|----|----|---|-----|-------|
| | academic discipline | L | LP | P | S | SIW | total |
| 1 | Organization of medicine supply of the population | 6 | | 16 | | 14 | 36 |

| T | OTAL | 6 | 16 | 14 | 36 |
|---|------|---|----|----|----|

^{* -} L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student's individual work.

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

| No | Name of lecture topics | Volume in AH |
|----|---|--------------|
| NO | ivalue of fecture topics | 9 |
| 1. | Fundamentals of state policy in the field of drug provision of the population | 1 |
| 2. | Legislative basis of drug provision of the population | 1 |
| 3. | The system of drug supply to the population in the Russian Federation | 1 |
| 4. | Organization of drug supply to end users | 1 |
| 5. | Organization of drug provision for inpatient treatment | 1 |
| 6. | Pharmacoeconomic aspects of drug supply for the population | 1 |
| | TOTAL (total – 6 AH) | 6 |

6.2.2. The thematic plan of laboratory practicums Laboratory practicums are not stipulated.

6.2.3. Thematic plan of practicals

| No | Name of the topics of practicals | Volume in AH |
|----|---|--------------|
| NO | Name of the topics of practicals | 9 |
| 1. | Fundamentals of state policy in the field of drug provision of the population | 2 |
| 2. | Legislative basis of drug provision of the population | 4 |
| 3. | The system of drug supply to the population in the Russian Federation | 2 |
| 4 | Organization of drug supply to end users | 2 |
| 5. | Organization of drug provision for inpatient treatment | 2 |
| 6. | Pharmacoeconomic aspects of drug supply for the population | 2 |
| 7. | CREDIT | 2 |
| 8 | TOTAL (total – 16 AH) | 16 |

6.2.4. Thematic plan of seminars Seminars are not stipulated.

6.2.5. Types and topics of student's individual work (SIW)

| No | Types and topics of SIW | Volume in AH |
|----|---|--------------|
| | Types and topics of SIW | 9 |
| 1. | Working with literature and other sources of information on | 6 |
| | the studied section | |
| 2. | Assignments in the form of reports and speeches | 4 |
| 3. | Working with electronic educational resources | 4 |
| 4. | TOTAL (total – 14 AH) | 14 |

7. Types of assessment formats for ongoing monitoring and mid-term assessment

| | | | | Name of section | Ass | essment forn | nats |
|---|----|--------------|------------------|------------------------|-------|-------------------|------------------------|
|) | √o | Semes ter | Types of control | of academic discipline | types | number of test | number of test task |
| | | No. | | discipinic | | questions | options |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----|---|---|---|-----------|---|----|
| 1. | 9 | Current monitoring: Control of mastering the topic Monitoring the student's individual work | Organization of medicine supply of the population | Test work | 5 | 5 |
| 2. | 9 | Mid-term assessment | | Credit | 3 | 40 |

8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

| No॒ | Name according to bibliographic requirements | Number of | copies |
|-----|---|-------------------|----------------|
| | | at the department | in the library |
| 1 | The system of legislative regulation of circulation of medicines: Textbook / M.A. Mishchenko, E.V. Shalenkova, A.A. Ponomareva, N.N. Chesnokova, S.V. Kononova. – Nizhny Novgorod, 2021. – 77 p. | electronic r | esource |
| 2 | Fundamentals of state legislation on manufacturing of medicines: Textbook / M M.A. Mishchenko, E.V. Shalenkova, A.A. Ponomareva, N.N. Chesnokova, S.V. Kononova. – Nizhny Novgorod, 2021. – 56 p. | electronic r | |
| 3 | Fundamentals of state legislation on pharmaceutical activities: Textbook / M.A. Mishchenko, E.V. Shalenkova, A.A. Ponomareva, N.N. Chesnokova, S.V. Kononova. – Nizhny Novgorod, 2021. – 50 p. | electronic r | |
| 4 | The concept of good practices in the pharmaceutical regulatory system: Textbook / M.A. Mishchenko, E.V. Shalenkova, A.A. Ponomareva, N.N. Chesnokova, S.V. Kononova. – Nizhny Novgorod, 2021. – 57 p. | electronic r | esource |
| 5 | Fundamentals of pharmaceutical economics: Textbook / M.A. Mishchenko, E.V. Shalenkova, A.A. Ponomareva, N.N. Chesnokova, S.V. Kononova. – Nizhny Novgorod, 2021. – 125 p. | electronic r | esource |
| 6 | Prices and pricing in the pharmaceutical market: Textbook / M.A. Mishchenko, E.V. Shalenkova, A.A. Ponomareva, N.N. Chesnokova, S.V. Kononova. – Nizhny Novgorod, 2021. – 77 p. | electronic r | esource |
| 7 | Product policy of a pharmaceutical organization: Textbook / M.A. Mishchenko, E.V. Shalenkova, A.A. Ponomareva, N.N. Chesnokova, S.V. Kononova. – Nizhny Novgorod, 2021. – 90 p. | electronic r | esource |
| 8 | Fundamentals of planning economic indicators: Textbook / M.A. Mishchenko, E.V. Shalenkova, A.A. Ponomareva, N.N. Chesnokova, S.V. Kononova. – | electronic r | esource |

| | Nizhny Novgorod, 2021. – 78 p. | |
|----|--|---------------------|
| 9 | Planning of trade turnover of a pharmaceutical | electronic resource |
| | organization: Textbook / M.A. Mishchenko, E.V. | |
| | Shalenkova, A.A. Ponomareva, N.N. Chesnokova, | |
| | S.V. Kononova. – Nizhny Novgorod, 2021. – 78 p. | |
| 10 | Planning of distribution costs of a pharmaceutical | electronic resource |
| | organization: Textbook / M.A. Mishchenko, E.V. | |
| | Shalenkova, A.A. Ponomareva, N.N. Chesnokova, | |
| | S.V. Kononova. – Nizhny Novgorod, 2021. – 60 p. | |
| 11 | Income and profit planning of a pharmaceutical | electronic resource |
| | organization: Textbook / M.A. Mishchenko, E.V. | |
| | Shalenkova, A.A. Ponomareva, N.N. Chesnokova, | |
| | S.V. Kononova. – Nizhny Novgorod, 2021. – 70 p. | |
| 12 | Accounting of financial and economic activities of a | electronic resource |
| | pharmacy organization: Textbook / M.A. | |
| | Mishchenko, S.V. Kononova, N.N. Chesnokova, A.A. | |
| | Ponomareva, E.V. Shalenkova. – Nizhny Novgorod, | |
| | 2022. – 74 p. | |
| 13 | Specific issues of accounting for the property of a | electronic resource |
| | pharmacy organization: Textbook / M.A. | |
| | Mishchenko. – Nizhny Novgorod, 2022. – 50 p. | |
| 14 | Basic principles of accounting of settlements with the | electronic resource |
| | personnel of a pharmacy organization: Textbook / | |
| | M.A. Mishchenko. – Nizhny Novgorod, 2022. – 50 p. | |
| 15 | The tax concept and tax management of | electronic resource |
| | pharmaceutical organizations: Textbook / M.A. | |
| | Mishchenko. – Nizhny Novgorod, 2022. – 52 p. | |

8.2. Further reading

| No | Name according to bibliographic requirements | Number of | copies |
|----|---|-------------------|----------------|
| | | at the department | in the library |
| 1 | The medicine lifecycle concept: Textbook / M.A. | electronic re | esource |
| | Mishchenko, S.V. Kononova, A.A Ponomareva. – | | |
| | Nizhny Novgorod, 2020. – 80 p. | | |
| 2 | Information technologies in the medicine lifecycle | electronic re | esource |
| | management: Textbook / M.A. Mishchenko, S.V. | | |
| | Kononova, A.A Ponomareva. – Nizhny Novgorod, | | |
| | 2020. – 99 p. | | |
| 3 | Evaluating the quality of pharmaceutical information: | electronic re | esource |
| | Textbook / M.A. Mishchenko, S.V. Kononova, A.A | | |
| | Ponomareva. – Nizhny Novgorod, 2020. – 98 p. | | |
| 4 | Analysis and processing of pharmaceutical | electronic re | esource |
| | information: Textbook / M.A. Mishchenko, S.V. | | |
| | Kononova, A.A Ponomareva. – Nizhny Novgorod, | | |
| | 2020. – 95 p. | | |
| 5 | Post-marketing evaluation of medicinal products – | electronic re | esource |
| | pharmacoepidemiology: Textbook / M.A. | | |
| | Mishchenko, S.V. Kononova, A.A Ponomareva. – | | |
| | Nizhny Novgorod, 2020. – 53 p. | | |
| 6 | Post-marketing evaluation of the medicinal products – | electronic re | esource |
| | pharmacoeconomics: Textbook / M.A. Mishchenko, | | |

| | S.V. Kononova, A.A Ponomareva. – Nizhny | |
|---|---|---------------------|
| | Novgorod, 2020. – 107 p. | |
| 7 | Post-marketing evaluation of medicinal products – | electronic resource |
| | pharmacovigilance: Textbook / M.A. Mishchenko, | |
| | S.V. Kononova, A.A Ponomareva. – Nizhny | |
| | Novgorod, 2020. – 70 p. | |
| 8 | Fundamentals of the state regulation of | electronic resource |
| | pharmaceutical information that is advertising: | |
| | Textbook / M.A. Mishchenko, S.V. Kononova, A.A | |
| | Ponomareva. – Nizhny Novgorod, 2020. – 109 p. | |

8.3. Electronic educational resources for teaching academic subjects 8.3.1. Internal Electronic Library System of the University (IELSU)

| № | Name of the electronic resource | Brief description (content) | Access conditions | Number of users |
|---|---|--|---|-----------------|
| | | (************************************** | | |
| 1 | Internal electronic library system (IELS) http://nbk.pimunn.net/M egaPro/Web | Works of university teaching staff: textbooks, manuals, collections of tasks, teaching aids, laboratory works, monographs, collections | From any computer and mobile device with individual login and password. | Not limited |
| | | of scientific works, scientific articles, dissertations, abstracts of dissertations, patents | Access mode: http://nbk.pimun n.net/MegaPro/ Web | |

8.3.2. Electronic educational resources acquired by the University

| No | Name of the electronic resource | Brief description (content) | Access conditions | Number of users |
|----|--|---|---|--|
| 1 | Electronic legal reference system "Consultant Plus" (contract for free) http://www.consultant.ru | Regulatory documents regulating the activities of medical and pharmaceutical institutions From the scientific library computers | Access mode: http://www.cons ultant.ru/ | Not limited Term of validity: Unlimited |

8.3.3 Open access resources

| No | Name of the electronic | Brief description (content) | Access conditions |
|----|-----------------------------|---------------------------------|-----------------------------|
| | resource | | |
| 1 | PubMed | US National Library of | From any computer and |
| | https://www.ncbi.nlm.nihgov | Medicine search engine for | mobile device. |
| | /pubmed | Medline, PreMedline | Access mode: |
| | | databases | https://www.ncbi.nlm.nihgov |
| | | | /pubmed |
| | | | Not limited |
| 2 | Scopus database | International abstract | Access mode: |
| | www.scopus.com | database of scientific citation | www.scopus.com |
| | | From university computers, | Not limited |

| | | from any computer by | |
|---|-----------------------------|------------------------------|-----------------------------|
| | | individual login and | |
| | | password | |
| 3 | Web of Science Core | International abstract | Access mode: |
| | Collection | database of scientific | https://www.webofscience.co |
| | https://www.webofscience.co | citation. From university | m |
| | m | computers, from any | Not limited |
| | | computer by individual login | |
| | | and password. | |

9. Material and technical support for mastering an academic discipline

- 9.1. List of premises for classroom activities for the discipline
- 1. Classes for lectures and practical classes, equipped with multimedia and other means of training, allowing the use of simulation technologies, with standard sets of professional models (sets of protocols of clinical trials, formulary lists of LPU, price lists of distribution companies, sets of quality of life questionnaires), allowing students to master the skills and abilities, provided by professional activity, individually.
- 2. Simulation center "Educational pharmacy", equipped with simulation technics, which imitates the activity of pharmacy and its subdivisions (acceptance of goods, storage of goods, dispensing, pharmaceutical expertise of receipt) in the amount that allows students to master skills, provided by professional activity individually.
- 3. Rooms for students' independent work, equipped with computers with the ability to connect to the Internet and access to the electronic information and educational environment of the University.2.
 - 9.2. List of equipment for classroom activities for the discipline
 - 1. Multimedia complex (laptop, projector, screen, TV)
 - 2. Computer class (15 computers) with installed applications and Internet access.
 - 9.3. List of software
 - 1. Online event platform "Webinar"
 - 2. Yandex Browser
 - 3. Reference system "Consultant Plus"

9.3. A set of licensed and freely distributed software, including domestic production

| Ite m no. | Software | number of licenses | Type of software | Manufacture r | Number in the unified register of Russian software | Contract No. and date |
|-----------------|--|--------------------------|---------------------------------|--|--|--|
| 1 | Wtware | 100 | Thin Client Operating System | Kovalev Andrey Alexandrovic h | 1960 | 2471/05-18 from 28.05.2018 |
| 2 | MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, | 220 | Office Application | LLC "NEW CLOUD TECHNOLO GIES" | 283 | without limitation, with the right to receive updates for 1 year. |

| | with the right to receive updates for 1 year. | | | | | |
|---|---|-----|-----------------------|-------------------------|--|---|
| 3 | LibreOffice | | Office Application | The Document Foundation | Freely distributed software | |
| 4 | Windows 10 Education | 700 | Operating systems | Microsoft | Azure Dev Tools for Teaching Subscriptio n | |
| 5 | Yandex. Browser | | Browser | «Yandex» | 3722 | |
| 6 | Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia | 170 | Office Application | Microsoft | | 23618/HN100 30 LLC "Softline Trade" from 04.12.2020 |

10. List of changes to the working program (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"

Ministry of Health of the Russian Federation
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of *Name of the department*

CHANGE REGISTRATION SHEET

working program for the academic discipline

| | NAI | ME OF THE ACADEMIC DISCIPL | INE | |
|----------|---------------------------|---|-------------------|---------------|
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