

МИНОБРНАУКИ РОССИИ

**Федеральное государственное бюджетное образовательное
учреждение высшего образования "Пермский
государственный национальный исследовательский
университет"**

Кафедра фармакологии и фармации

**Авторы-составители: Луткова Татьяна Александровна
Мащенко Петр Сергеевич**

Рабочая программа дисциплины
INTRODUCTION TO THE SPECIALTY
Код УМК 96312

Утверждено
Протокол №6
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1. Наименование дисциплины

Introduction to the Specialty

2. Место дисциплины в структуре образовательной программы

Дисциплина входит в обязательную часть Блока « С.1 » образовательной программы по направлениям подготовки (специальностям):

Специальность: **33.05.01** Фармация

направленность Программа широкого профиля (для иностранных граждан)

3. Планируемые результаты обучения по дисциплине

В результате освоения дисциплины **Introduction to the Specialty** у обучающегося должны быть сформированы следующие компетенции:

33.05.01 Фармация (направленность : Программа широкого профиля (для иностранных граждан))

УК.2 Способен управлять проектом, организовывать и руководить работой команды

Индикаторы

УК.2.1 Формулирует на основе поставленной проблемы проектную задачу и предлагает способы ее решения

УК.2.2 Разрабатывает план проекта в рамках поставленной задачи (цель и задачи проекта, ожидаемые результаты и их применение) и определяет необходимые для реализации проекта ресурсы

УК.5 Способен управлять своими ресурсами, определять приоритеты собственной деятельности, выстраивать и реализовывать траекторию саморазвития

Индикаторы

УК.5.2 Управляет собственными ресурсами (тайм-менеджмент, стресс-менеджмент, самопрезентация)

УК.7 Способен создавать и поддерживать безопасные условия жизнедеятельности, в том числе при возникновении чрезвычайных ситуаций

Индикаторы

УК.7.2 Идентифицирует опасные и вредные факторы в рамках осуществляемой деятельности

УК.8 Знает правовые и этические нормы, способен оценивать последствия нарушения этих норм

Индикаторы

УК.8.2 Ориентируется в этических нормах поведения в разных видах профессиональной деятельности и последствиях их нарушения

4. Объем и содержание дисциплины

Направления подготовки	33.05.01 Фармация (направленность: Программа широкого профиля (для иностранных граждан))
форма обучения	очная
№№ триместров, выделенных для изучения дисциплины	2
Объем дисциплины (з.е.)	3
Объем дисциплины (ак.час.)	108
Контактная работа с преподавателем (ак.час.), в том числе:	42
Проведение лекционных занятий	28
Проведение практических занятий, семинаров	14
Самостоятельная работа (ак.час.)	66
Формы текущего контроля	Защищаемое контрольное мероприятие (1) Письменное контрольное мероприятие (2)
Формы промежуточной аттестации	Зачет (2 триместр)

5. Аннотированное описание содержания разделов и тем дисциплины

Profession "Pharmacist", Pharmacy as a kind of socially oriented and socially significant human activity, its humanistic character.

Characteristics of the areas of professional activity of specialists with pharmaceutical education. Social orientation of the profession, relationship with the medical profile. The humanistic nature of pharmaceutical activities as the basis for activities in the field of human health protection.

History and preconditions for the emergence, the specifics of the activities of a specialist in the field of pharmacy

The history of the profession: medicine as a kind of human activity, originating from ancient times. The contribution of ancient scientists, medieval researchers and modern researchers to modern medicine and pharmacy.

Qualification characteristics of a pharmacist, a regulatory framework that regulates the activities of specialists. Professional standards

Qualifications of a specialist with a pharmaceutical education. Normative base regulating professional training, retraining and advanced training of specialists. Professional standards and related labor functions of specialists.

Psychological portrait of a specialist in the pharmaceutical industry, moral and personal qualities of a specialist as the basis for the formation of the image of a pharmaceutical worker

Personal qualities of a specialist with a pharmaceutical education, professional ethics and image of a pharmaceutical worker.

Professional activity of a specialist with pharmaceutical education in various areas of the drug circulation. Features of pharmaceutical activities in the Russian Federation and foreign countries

Areas of professional activity of a specialist with a pharmaceutical education. The sphere of circulation of medicines. Legislative base in the field of medicines circulation. Features of the pharmaceutical industry in the Russian Federation and foreign countries. Professional associations of specialists, their tasks, goals, functions.

Pharmacies: classification. Features of the activity and the main functions of specialists in pharmacies: the necessary set of skills and abilities, integration with the disciplines of the humanities and natural sciences

Pharmacy as the main unit of the drug supply system for the population. Classification of pharmacies: pharmacy of finished dosage forms, manufacturing pharmacies, hospital and interhospital pharmacies, homeopathic pharmacies. Functions, tasks, features of the activity. Professional requirements for pharmacy employees.

Manufacturing enterprises of medicines. structure, functions, production cycle. Legal and regulatory framework governing the activities of drug manufacturers. Position of a pharmacist in the field of drug production

Industrial production of drugs in the Russian Federation. Pharmaceutical manufacturing enterprises: structure, tasks. Legislative framework in the field of industrial production of drugs. Professional requirements for pharmaceutical specialists employed in industrial production.

Wholesale enterprises of drugs: functions, features of activity. Medical and pharmaceutical representations of domestic and foreign pharmaceutical companies: functions, role in the system of drug supply to the population

Wholesale link in the field of medicines circulation: features, structure, tasks. Legislative base regulating activities in the field of wholesale trade in medicines. Features of the professional activity of a medical and pharmaceutical representative.

The quality control system of drugs in the Russian Federation: structure, functions. The regulatory

framework for the quality control system. Expert institutions within the quality control system

The quality of medicines, the system for ensuring the quality of medicines in pharmacies, at manufacturing enterprises. Legislative framework in the quality control system for medicinal products. Professional requirements for a specialist engaged in the drug quality control system.

Pharmacopoeia as the main document: history and purpose of creation. National Formularies, International Pharmacopoeia, Pharmacopoeia of the Russian Federation. Pharmacist's place in the drug quality control system

Pharmacopoeia of the Russian Federation and pharmacopoeias of other countries. International Pharmacopoeia. The history of the creation of pharmacopoeias, the purpose of creation. The structure of the Pharmacopoeia of the Russian Federation: monographs. The concept of pharmacopoeial analysis, pharmacopoeial requirements for the quality of medicines.

Creation of medicines. Stages of drug development: from laboratory to clinical practice. Preclinical and clinical trials: their purpose, essence and necessity

Research work as a field of professional activity of a specialist with a pharmaceutical education. Development of medicinal products: creation of new active substances, development of dosage forms, development and optimization of technology for the production of dosage forms, development of methods for standardization and quality control of medicinal products. Stages of drug development.

Research work as one of the areas of professional implementation of a specialist with a pharmaceutical education

Pharmacy as a knowledge-intensive industry. The path of an innovative active substance to a medicinal product. The legal framework governing the activities of specialists involved in the development and implementation of drugs in practice. Registration of medicinal products.

Traditional and official medicine: interrelation, interdependence and continuity. Homeopathic medicines: features. Biologically active food supplements: features and their role in shaping the concept of a healthy lifestyle

Medicines and biologically active food additives: fundamental differences. Official medicine and traditional medicine: interconnection, contradictions. Homeopathy as a part of modern medicine, homeopathic medicines, their features.

Self-medication as part of a system for improving medical and pharmaceutical literacy of the population. The role of the specialist in conducting responsible self-medication

Pharmacy at the present stage. Medical and pharmaceutical literacy of the population, responsible self-medication. The role of the pharmacist in improving the medical literacy of the population.

The future of pharmacy: the creation of innovative drugs, the introduction of digital technologies into the drug care system, the evolution of information and advisory assistance of a pharmacist in the newly emerging digital environment

Prospects for the development of the pharmaceutical industry. Using the latest advances in science for the purpose of creating new drugs. Digital technologies in pharmacy.

6. Методические указания для обучающихся по освоению дисциплины

Освоение дисциплины требует систематического изучения всех тем в той последовательности, в какой они указаны в рабочей программе.

Основными видами учебной работы являются аудиторские занятия. Их цель - расширить базовые знания обучающихся по осваиваемой дисциплине и систему теоретических ориентиров для последующего более глубокого освоения программного материала в ходе самостоятельной работы. Обучающемуся важно помнить, что контактная работа с преподавателем эффективно помогает ему овладеть программным материалом благодаря расстановке необходимых акцентов и удержанию внимания интонационными модуляциями голоса, а также подключением аудио-визуального механизма восприятия информации.

Самостоятельная работа преследует следующие цели:

- закрепление и совершенствование теоретических знаний, полученных на лекционных занятиях;
- формирование навыков подготовки текстовой составляющей информации учебного и научного назначения для размещения в различных информационных системах;
- совершенствование навыков поиска научных публикаций и образовательных ресурсов, размещенных в сети Интернет;
- самоконтроль освоения программного материала.

Обучающемуся необходимо помнить, что результаты самостоятельной работы контролируются преподавателем во время проведения мероприятий текущего контроля и учитываются при промежуточной аттестации.

Обучающимся с ОВЗ и инвалидов предоставляется возможность выбора форм проведения мероприятий текущего контроля, альтернативных формам, предусмотренным рабочей программой дисциплины. Предусматривается возможность увеличения в пределах 1 академического часа времени, отводимого на выполнение контрольных мероприятий.

Процедура оценивания результатов обучения инвалидов и лиц с ограниченными возможностями здоровья по дисциплине предусматривает предоставление информации в формах, адаптированных к ограничениям их здоровья и восприятия информации.

При проведении текущего контроля применяются оценочные средства, обеспечивающие передачу информации, от обучающегося к преподавателю, с учетом психофизиологических особенностей здоровья обучающихся.

7. Перечень учебно-методического обеспечения для самостоятельной работы обучающихся по дисциплине

При самостоятельной работе обучающимся следует использовать:

- конспекты лекций;
- литературу из перечня основной и дополнительной учебной литературы, необходимой для освоения дисциплины (модуля);
- текст лекций на электронных носителях;
- ресурсы информационно-телекоммуникационной сети "Интернет", необходимые для освоения дисциплины;
- лицензионное и свободно распространяемое программное обеспечение из перечня информационных технологий, используемых при осуществлении образовательного процесса по дисциплине;
- методические указания для обучающихся по освоению дисциплины.

8. Перечень основной и дополнительной учебной литературы

Основная:

1. Nupur Chowdhury. European Regulation of Medical Devices and Pharmaceuticals / Nupur Chowdhury // Publisher Name: Springer, Cham. — 2014. — 185 p. — ISBN 978-3-319-04594-8. — [Электронный ресурс]. <https://link.springer.com/book/10.1007/978-3-319-04594-8>
2. J. Rick Turner. New Drug Development / J. Rick Turner // Publisher Name: Springer, New York, NY. — 2010. — 256 p. — ISBN 978-1-4419-6418-2. — [Электронный ресурс]. <https://link.springer.com/book/10.1007/978-1-4419-6418-2>

Дополнительная:

1. Wolf D. S. The untold history of healing: plant lore and medicinal magic from the stone age to present / D. S. Wolf. — [Berkeley, CA]: North Atlantic Books, 2017. ISBN 9781623170936. — 334. <http://search.ebscohost.com/login.aspx?direct=true&scope=site&db=nlebk&db=nlabk&AN=1251468>
2. Ali R. Rajabi-Siahboomi Multiparticulate Drug Delivery. Formulation, Processing and Manufacturing. Controlled Release Society, 2017. Online ISBN 978-1-4939-7012-4. Текст электронный // : <https://link.springer.com/book/10.1007/978-1-4939-7012-4#toc> <https://link.springer.com/book/10.1007/978-1-4939-7012-4>
3. Yvonne Bouwman-Boer, V'lain Fenton-May, Paul Le Brun Practical Pharmaceutics. An International Guideline for the Preparation, Care and Use of Medicinal Products. KNMP and Springer International Publishing Switzerland 2015. Online ISBN 978-3-319-15814-3. Текст электронный // : <https://link.springer.com/book/10.1007/978-3-319-15814-3> <https://link.springer.com/book/10.1007/978-3-319-15814-3>
4. Daria Mochly-Rosen. A Practical Guide to Drug Development in Academia / Daria Mochly-Rosen, Kevin Grimes // Publisher Name: Springer, Cham. — 2014. — 176 p. — ISBN 978-3-319-02201-7. — [Электронный ресурс]. <https://link.springer.com/book/10.1007/978-3-319-02201-7>
5. Ronald P. Evens. Drug and Biological Development / Ronald P. Evens // Publisher Name: Springer, Boston, MA. — 2007. — 382 p. — ISBN 978-0-387-69094-0. — [Электронный ресурс]. <https://link.springer.com/book/10.1007/978-0-387-69094-0>

9. Перечень ресурсов сети Интернет, необходимых для освоения дисциплины

<http://www.fptl.ru/biblioteka/farmakopei.html> Pharmacopoeias

<https://www.fda.gov/> U.S. Food and Drug Administration

10. Перечень информационных технологий, используемых при осуществлении образовательного процесса по дисциплине

Образовательный процесс по дисциплине **Introduction to the Specialty** предполагает использование следующего программного обеспечения и информационных справочных систем:

Presentation materials (slides on the topics of lectures and practical classes);

on-line access to the Electronic Library System (ELS)

access to the electronic information and educational environment of the university.

При освоении материала и выполнения заданий по дисциплине рекомендуется использование материалов, размещенных в Личных кабинетах обучающихся ЕТИС ПГНИУ (**student.psu.ru**).

При организации дистанционной работы и проведении занятий в режиме онлайн могут использоваться:

система видеоконференцсвязи на основе платформы BigBlueButton (<https://bigbluebutton.org/>).

система LMS Moodle (<http://e-learn.psu.ru/>), которая поддерживает возможность использования текстовых материалов и презентаций, аудио- и видеоконтент, а так же тесты, проверяемые задания, задания для совместной работы.

система тестирования Indigo (<https://indigotech.ru/>).

11. Описание материально-технической базы, необходимой для осуществления образовательного процесса по дисциплине

1. Lectures

Auditorium equipped with presentation equipment (projector, screen, computer / laptop) with appropriate software, and a whiteboard.

2. Group (individual) consultations

Auditorium equipped with chalk (s) or marker board;

3. Current control

Auditorium equipped with chalk (s) or marker board;

4. Independent work

An auditorium for independent work, equipped with computer equipment with the ability to connect to the Internet, provided with access to the electronic information and educational environment of the university.

Premises of the Scientific Library of PSU.

Помещения научной библиотеки ПГНИУ для обеспечения самостоятельной работы обучающихся:

1. Научно-библиографический отдел, корп.1, ауд. 142. Оборудован 3 персональными компьютера с доступом к локальной и глобальной компьютерным сетям.

2. Читальный зал гуманитарной литературы, корп. 2, ауд. 418. Оборудован 7 персональными компьютерами с доступом к локальной и глобальной компьютерным сетям.

3. Читальный зал естественной литературы, корп.6, ауд. 107а. Оборудован 5 персональными компьютерами с доступом к локальной и глобальной компьютерным сетям.

4. Отдел иностранной литературы, корп.2 ауд. 207. Оборудован 1 персональным компьютером с доступом к локальной и глобальной компьютерным сетям.

5. Библиотека юридического факультета, корп.9, ауд. 4. Оборудована 11 персональными компьютерами с доступом к локальной и глобальной компьютерным сетям.

6. Читальный зал географического факультета, корп.8, ауд. 419. Оборудован 6 персональными

компьютерами с доступом к локальной и глобальной компьютерным сетям.

Все компьютеры, установленные в помещениях научной библиотеки, оснащены следующим программным обеспечением:

Операционная система ALT Linux;

Офисный пакет Libreoffice.

Справочно-правовая система «КонсультантПлюс»

**Фонды оценочных средств для аттестации по дисциплине
Introduction to the Specialty**

**Планируемые результаты обучения по дисциплине для формирования компетенции.
Индикаторы и критерии их оценивания**

УК.2

Способен управлять проектом, организовывать и руководить работой команды

Компетенция (индикатор)	Планируемые результаты обучения	Критерии оценивания результатов обучения
<p>УК.2.1 Формулирует на основе поставленной проблемы проектную задачу и предлагает способы ее решения</p>	<p>KNOW: the main qualification characteristics of pharmaceutical specialists, the levels of training of specialists, the main areas of practical activity of pharmacists, the classification of pharmacy organizations and the peculiarities of their activities; BE ABLE to: independently search for information in reference sources. incl. in the regulatory framework related to pharmaceutical activities; OWN: the skill of working with the information received.</p>	<p align="center">Неудовлетворител</p> <p>The student does not know the basic qualification characteristics of a pharmaceutical specialist, is not familiar with the regulatory framework governing the process of training, retraining of a specialist; does not know the main types of pharmacies, their tasks and functions, and the specifics of their activities; unable to independently search and process information, lack of skill in working with the regulatory framework.</p> <p align="center">Удовлетворительн</p> <p>The student knows the basic qualification characteristics of a pharmaceutical specialist, does not know the regulatory framework governing the process of training, retraining of a specialist; knows the main types of pharmacies, their tasks, functions and features of their activities; is able to independently search for information, but is not capable of processing it, has a weak skill in working with the regulatory framework.</p> <p align="center">Хорошо</p> <p>The student knows the basic qualification characteristics of a pharmaceutical specialist, knows the regulatory framework governing the process of training, retraining a specialist; knows the main types of pharmacies, their tasks, functions and features of their activities; when independently searching and processing information, has minor difficulties, has the skill of working with the regulatory framework.</p> <p align="center">Отлично</p> <p>The student knows the basic qualification characteristics of a pharmaceutical specialist, knows the regulatory framework governing the process of training, retraining a specialist;</p>

Компетенция (индикатор)	Планируемые результаты обучения	Критерии оценивания результатов обучения
		<p style="text-align: center;">Отлично</p> <p>knows the main types of pharmacies, their tasks, functions and features of their activities; is able to independently search and process information, has the skill of working with the regulatory framework.</p>
<p>УК.2.1 Формулирует на основе поставленной проблемы проектную задачу и предлагает способы ее решения</p>	<p>KNOW: features of the activity of a pharmaceutical specialist. employed in the production of pharmaceuticals, the legal framework governing the industrial production of pharmaceuticals in the Russian Federation, the specifics of the activities of wholesale and retail trade in pharmaceuticals, the structure and objectives of the drug quality control system; BE ABLE to: search and process information on professional topics; OWN: the skill of working with the regulatory framework</p>	<p style="text-align: center;">Неудовлетворител</p> <p>The student does not know the main areas of professional activity of a pharmaceutical specialist, does not know the specifics of the activity of a specialist in the production of medicines, in the field of wholesale and retail trade of medicines, does not know the structure and tasks of the quality control system for medicines, is not able to independently search for information on a professional subject, there is no skill in working with regulatory documents.</p> <p style="text-align: center;">Удовлетворительн</p> <p>The student knows the main areas of professional activity of a pharmaceutical specialist, knows the peculiarities of the activity of a specialist in the production of medicines, in the field of wholesale and retail trade of medicines, knows the structure and tasks of the quality control system for medicines, is not able to independently search for information on professional topics, poorly developed the skill of working with regulatory documents.</p> <p style="text-align: center;">Хорошо</p> <p>The student knows the main areas of professional activity of a pharmaceutical specialist, knows the peculiarities of the activity of a specialist in the production of medicines, in the field of wholesale and retail trade in medicines, knows the structure and tasks of the quality control system for medicines, independently searches for information on professional topics, has difficulties with its processing, has the skill of working with regulatory documents.</p> <p style="text-align: center;">Отлично</p> <p>The student knows the main areas of professional activity of a pharmaceutical specialist, knows the peculiarities of the activity</p>

Компетенция (индикатор)	Планируемые результаты обучения	Критерии оценивания результатов обучения
		<p style="text-align: center;">Отлично</p> <p>of a specialist in the production of medicines, in the field of wholesale and retail trade of medicines, knows the structure and tasks of the quality control system for medicines, independently searches for information on professional topics and is able to process it , possesses the skill of working with regulatory documents.</p>
<p>УК.2.2 Разрабатывает план проекта в рамках поставленной задачи (цель и задачи проекта, ожидаемые результаты и их применение) и определяет необходимые для реализации проекта ресурсы</p>	<p>KNOW: the basics of designing activities, including your own, defining the goals and objectives of any activity, incl. professional, types of resources required for the implementation of the project; BE ABLE to: formulate the goals and objectives of project activities, determine the minimum amount of resources for work within the project; OWN: the skill of planning activities within the project and the skill of determining the expected results in the implementation of project activities</p>	<p style="text-align: center;">Неудовлетворител</p> <p>The student does not know the basics of project activities, does not know and does not know how to clearly define the goals of the project, is not able to formulate the main tasks that are solved within the framework of the project, does not know the basic methods of determining the need for resources required for activities within the project, is not able to formulate the expected results.</p> <p style="text-align: center;">Удовлетворительн</p> <p>The student knows the basics of project activities, does not know how to clearly define the goals of the project on his own, has difficulty in formulating the main tasks that are solved within the framework of the project, owns the basic methods of determining the need for resources required for activities within the project, is not able to formulate the expected results</p> <p style="text-align: center;">Хорошо</p> <p>The student knows the basics of project activities, knows and is able to clearly define the goals of the project, formulate the main tasks that are solved within the framework of the project, experiences some difficulties in the methods of determining the need for resources required for activities within the project, is able to formulate the expected results</p> <p style="text-align: center;">Отлично</p> <p>The student knows the basics of project activities, knows and is able to clearly define the goals of the project, formulate the main tasks that are solved within the framework of the project, owns the basic methods of determining the need for resources required for activities</p>

Компетенция (индикатор)	Планируемые результаты обучения	Критерии оценивания результатов обучения
		<p style="text-align: center;">Отлично</p> <p>within the project, is able to formulate the expected results</p>

УК.8

Знает правовые и этические нормы, способен оценивать последствия нарушения этих норм

Компетенция (индикатор)	Планируемые результаты обучения	Критерии оценивания результатов обучения
<p>УК.8.2 Ориентируется в этических нормах поведения в разных видах профессиональной деятельности и последствиях их нарушения</p>	<p>KNOW: basic norms of professional conduct and ethics in the performance of their professional duties; BE ABLE to: observe the principles of professional ethics and foresee the consequences in case of their violation; OWN: the skill of adhering to basic ethical principles within the professional community</p>	<p style="text-align: center;">Неудовлетворител</p> <p>The student does not know the ethical foundations of professional activity, is not guided by the basic principles of professional ethics, does not sufficiently represent the degree of responsibility in case of their violation, is not able to observe the basic ethical principles when communicating within the professional community</p> <p style="text-align: center;">Удовлетворительн</p> <p>The student knows the ethical foundations of professional activity, but is not guided by the basic principles of professional ethics, does not sufficiently represent the degree of responsibility in case of their violation, is able to comply with the basic ethical principles when communicating within the professional community</p> <p style="text-align: center;">Хорошо</p> <p>The student knows the ethical foundations of professional activity, is guided by the basic principles of professional ethics, represents the degree of responsibility in the event of their violation, is not always able to comply with the basic ethical principles when communicating within the professional community</p> <p style="text-align: center;">Отлично</p> <p>The student knows the ethical foundations of professional activity, is guided by the basic principles of professional ethics, represents the degree of responsibility in the event of their violation, is able to comply with the basic ethical principles when communicating within the professional community</p>

УК.5

Способен управлять своими ресурсами, определять приоритеты собственной деятельности, выстраивать и реализовывать траекторию саморазвития

Компетенция (индикатор)	Планируемые результаты обучения	Критерии оценивания результатов обучения
УК.5.2 Управляет собственными ресурсами (тайм- менеджмент, стресс- менеджмент, самопрезентация)	KNOW: the main information sources of reference and legislative nature that are used in the professional community, the regulatory framework in the field of drug circulation; BE ABLE to: conduct a targeted search for professional information in order to use it in the framework of the discussion; OWN: the skill of generalization, presentation of information in the form of a report, abstract, multimedia presentation on a given topic, the skill of public speaking and the skill of conducting a discussion.	<p>Неудовлетворител</p> <p>The student does not know the main regulatory framework in the field of professional activity of a pharmaceutical specialist, does not know the main reference and information databases within the professional community, is not able to independently conduct a targeted search for information, does not have the skill of working with special literature, is not able to present and discuss the results of their own activities, to lead a discussion.</p> <p>Удовлетворительн</p> <p>The student knows the main regulatory and legal framework in the field of professional activity of a pharmaceutical specialist, knows the main reference and information databases within the professional community, is not capable of independent targeted information retrieval, lacks the skill of working with special literature, is able to present and discuss the results of his own activities, the skill of conducting a discussion is poorly developed.</p> <p>Хорошо</p> <p>The student knows the basic regulatory framework in the field of professional activity of a pharmaceutical specialist, knows the main reference and information databases within the professional community, independently conducts a targeted search for information, experiences difficulties in working with special literature, is able to present and discuss the results of his own activities, experiences difficulty in conducting a discussion</p> <p>Отлично</p> <p>The student knows the basic regulatory framework in the field of professional activity of a pharmaceutical specialist, knows the main reference and information databases within the professional community, independently conducts a targeted search for information, has the skill of working with special literature, is able to present and discuss the results of his own</p>

Компетенция (индикатор)	Планируемые результаты обучения	Критерии оценивания результатов обучения
		Отлично activities, is able to conduct discussion.

УК.7

Способен создавать и поддерживать безопасные условия жизнедеятельности, в том числе при возникновении чрезвычайных ситуаций

Компетенция (индикатор)	Планируемые результаты обучения	Критерии оценивания результатов обучения
УК.7.2 Идентифицирует опасные и вредные факторы в рамках осуществляемой деятельности	KNOW: the possibility of the existence of harmful and dangerous factors arising as a result of a specialist performing his professional duties; BE ABLE to: explain the reason for the occurrence of harmful and dangerous factors in the field of professional activity; OWN: the skills of recognizing undesirable factors in the process of professional activity	<p>Неудовлетворител The student does not know the conditions for the occurrence of dangerous and harmful factors in the field of professional activity, does not know how to recognize and justify them, does not possess the skill of preventing their occurrence.</p> <p>Удовлетворительн The student knows the conditions for the occurrence of dangerous and harmful factors in the field of professional activity, is not always able to recognize and substantiate them, does not possess the skill of preventing their occurrence.</p> <p>Хорошо The student knows the conditions for the occurrence of dangerous and harmful factors in the field of professional activity, is able to recognize and justify them, does not possess the skill of preventing their occurrence.</p> <p>Отлично The student knows the conditions for the occurrence of dangerous and harmful factors in the field of professional activity, is able to recognize and substantiate them, has the skill of preventing their occurrence.</p>

Оценочные средства текущего контроля и промежуточной аттестации

Схема доставки : Базовая

Вид мероприятия промежуточной аттестации : Зачет

Способ проведения мероприятия промежуточной аттестации : Оценка по дисциплине в рамках промежуточной аттестации определяется на основе баллов, набранных обучающимся на контрольных мероприятиях, проводимых в течение учебного периода.

Максимальное количество баллов : 100

Конвертация баллов в отметки

«отлично» - от 81 до 100

«хорошо» - от 61 до 80

«удовлетворительно» - от 50 до 60

«неудовлетворительно» / «незачтено» менее 50 балла

Компетенция (индикатор)	Мероприятие текущего контроля	Контролируемые элементы результатов обучения
УК.2.1 Формулирует на основе поставленной проблемы проектную задачу и предлагает способы ее решения УК.7.2 Идентифицирует опасные и вредные факторы в рамках осуществляемой деятельности	Manufacturing enterprises of medicines. structure, functions, production cycle. Legal and regulatory framework governing the activities of drug manufacturers. Position of a pharmacist in the field of drug production Письменное контрольное мероприятие	Characteristics of the professional activity of the pharmacist. Features and specifics of the specialty pharmacy. The history and preconditions for the formation and separation of a specialist with a pharmaceutical education into an independent field. Qualification characteristics of a specialist, regulatory framework and professional standards of specialists with a pharmaceutical education. Pharmacy, functions, place in the system of drug supply for citizens and tasks in the field of health protection. The complex nature of the activities of a pharmaceutical specialist.

Компетенция (индикатор)	Мероприятие текущего контроля	Контролируемые элементы результатов обучения
<p>УК.2.1 Формулирует на основе поставленной проблемы проектную задачу и предлагает способы ее решения</p>	<p>Pharmacopoeia as the main document: history and purpose of creation. National Formularies, International Pharmacopoeia, Pharmacopoeia of the Russian Federation. Pharmacist's place in the drug quality control system Письменное контрольное мероприятие</p>	<p>Areas of professional activity of a specialist pharmacist. Manufacturing enterprises of medicinal products: functions, features of activity. Production cycle. The regulatory framework governing the production of medicines in the Russian Federation. Enterprises of wholesale trade in medicines: functions, features of activity, place in the system of drug supply to the population. Medical and pharmaceutical representations of domestic and foreign companies-manufacturers of medicines and medical equipment: their tasks and functions. Medicinal product quality, concept. The drug quality assurance system and the drug quality control system. The regulatory framework governing the process of quality control of medicinal products. Expert institutions for assessing the quality of pharmaceutical products.</p>
<p>УК.2.2 Разрабатывает план проекта в рамках поставленной задачи (цель и задачи проекта, ожидаемые результаты и их применение) и определяет необходимые для реализации проекта ресурсы УК.5.2 Управляет собственными ресурсами (тайм-менеджмент, стресс-менеджмент, самопрезентация) УК.8.2 Ориентируется в этических нормах поведения в разных видах профессиональной деятельности и последствиях их нарушения</p>	<p>The future of pharmacy: the creation of innovative drugs, the introduction of digital technologies into the drug care system, the evolution of information and advisory assistance of a pharmacist in the newly emerging digital environment Защищаемое контрольное мероприятие</p>	<p>Research, educational work as a field of activity of a specialist with a pharmaceutical education. Development of drugs and dosage forms, implementation in healthcare practice. Using the latest advances in related disciplines in the development of innovative drugs. Information technologies in the health care system and drug provision of citizens, improving the quality of drug care through the use of digital technologies.</p>

Спецификация мероприятий текущего контроля

Manufacturing enterprises of medicines. structure, functions, production cycle. Legal and regulatory framework governing the activities of drug manufacturers. Position of a pharmacist in

the field of drug production

Продолжительность проведения мероприятия промежуточной аттестации: **1 часа**

Условия проведения мероприятия: **в часы аудиторной работы**

Максимальный балл, выставляемый за мероприятие промежуточной аттестации: **30**

Проходной балл: **15**

Показатели оценивания	Баллы
Pharmacy, its functions and features of activity. Classification of pharmacies, features of their activities. The place of pharmacies in the system of drug supply to the population and tasks in the field of public health protection.	10
The regulatory framework governing professional training, retraining and advanced training of specialists with pharmaceutical education. Regulatory framework in the field of drug circulation. Professional standards of specialists with pharmaceutical education.	8
History and prerequisites of the profession. Prerequisites for isolation into a separate sphere of human activity. Development of ideas about the role and place of the pharmacist in the health care system.	6
Characteristics of the specialty Pharmacy, qualification characteristics of the pharmacist. Features and specifics of professional activities in the field of drug circulation.	6

Pharmacopoeia as the main document: history and purpose of creation. National Formularies, International Pharmacopoeia, Pharmacopoeia of the Russian Federation. Pharmacist's place in the drug quality control system

Продолжительность проведения мероприятия промежуточной аттестации: **1 часа**

Условия проведения мероприятия: **в часы аудиторной работы**

Максимальный балл, выставляемый за мероприятие промежуточной аттестации: **30**

Проходной балл: **15**

Показатели оценивания	Баллы
Medicinal product quality: concept. The system for ensuring the quality of medicines in pharmaceutical organizations: pharmacy, manufacturer, general and distinctive features. State quality control of medicines and medical devices, regulatory framework governing the quality control system of medicines.	10
Manufacturing enterprise of medicinal products: tasks, functions, features of activity, structure. Production cycle. The regulatory framework governing the activities of pharmaceutical manufacturers.	8
Medical and pharmaceutical representations of domestic and foreign manufacturers of pharmaceuticals and medical equipment. Their role in the system of drug supply to the population. Information work with doctors and pharmacists.	6
Wholesale enterprises of pharmaceuticals: peculiarities of activity, tasks and functions.	6

The future of pharmacy: the creation of innovative drugs, the introduction of digital technologies into the drug care system, the evolution of information and advisory assistance of a pharmacist in the newly emerging digital environment

Продолжительность проведения мероприятия промежуточной аттестации: **1 часа**

Условия проведения мероприятия: **в часы аудиторной работы**

Максимальный балл, выставляемый за мероприятие промежуточной аттестации: **40**

Проходной балл: **20**

Показатели оценивания	Баллы
Leading a discussion on a selected topic within the framework of a training session, the skill of using the information received in order to formulate answers to questions, justify one's own point of view on the selected topic.	10
Ability and skill to work with information sources, including specialized ones for the purpose of searching for information, processing an array of data when preparing an independent theoretical work on a selected topic.	10
Technique and level of proficiency in the tools for presenting the information received in the form of a presentation, a report on a given topic: visualization, accessibility.	10
Making an abstract (essay) on a selected topic: literacy, consistency of presentation, the validity of the use of professional terms and information sources.	10