МИНОБРНАУКИ РОССИИ

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

Кафедра фармакологии и фармации

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Программа производственной практики

PRACTICE ON MANAGEMENT AND ECONOMY OF PHARMACY INSTITUTIONS

Код УМК 94566

Утверждено Протокол №6 от «23» марта 2020 г.

1. Вид практики, способ и форма проведения практики

Вид практики производственная

Тип практики практика по управлению и экономике фармацевтических организаций

Способ проведения практики стационарная, выездная

Форма (формы) проведения практики дискретная

2. Место практики в структуре образовательной программы

Производственная практика « Practice on management and economy of pharmacy institutions » входит в обязательную часть Блока « C.2 » образовательной программы по направлениям подготовки (специальностям):

Специальность: 33.05.01 Фармация

направленность Программа широкого профиля (для иностранных граждан)

Цель практики:

The objectives of the practice are to obtain students professional skills and experience of professional activity on the basis of theoretical knowledge and skills obtained and formed professional competencies, capable and ready to perform the labor functions of a pharmacist, mastering the current procedures for regulating the sphere of drug circulation, fostering labor discipline, consolidating the skills of ethics and deontology in conditions of real industrial pharmaceutical activity.

Задачи практики:

The objectives of the practice are:

- 1) to Teach acceptance of commodity-material values, to make the act of discrepancy in quantity, about quality of production.
- 2) to Teach the student the rules of release of medicines from the pharmacy, work with cash registers.
- 3) to Teach to carry out inventory of commodity-material values.
- 4) Teach the student to analyze the main activities and financial condition of the pharmacy.

3. Перечень планируемых результатов обучения

В результате прохождения практики **Practice on management and economy of pharmacy institutions** у обучающегося должны быть сформированы следующие компетенции:

- 33.05.01 Фармация (направленность : Программа широкого профиля (для иностранных граждан))
- **ПК.3** Готов к реализации лекарственных средств в соответствии с правилами оптовой торговли, порядком розничной продажи и установленным законодательством порядком передачи лекарственных средств

Индикаторы

- **ПК.3.1** Осуществляет учет и отпуск лекарственных средств и других товаров аптечного ассортимента в аптечных организациях в соответствии с установленными требованиями
- **ПК.4** Готов к обеспечению хранения лекарственных средств и других товаров аптечного ассортимента

Индикаторы

- **ПК.4.2** Ведет предметно-количественный учет и отчетную документацию лекарственных средств в соответствии с установленными требованиями
- **ПК.7** Способен к участию в организации, обеспечении деятельности и применению основных принципов управления в фармацевтических организациях

Индикаторы

- **ПК.7.1** Организует деятельность фармацевтической организации, ведет учетно-отчетную документацию, выбирает оптимальных поставщиков и осуществляет процессы закупок на основе результатов исследования рынка товаров и услуг
- **УК.3** Способен осуществлять коммуникации в рамках академического и профессионального взаимодействия на русском и иностранном языках

Индикаторы

УК.3.4 Устанавливает и поддерживает контакты в академическом и профессиональном взаимодействии с использованием современных коммуникативных технологий

4. Содержание и объем практики, формы отчетности

The practice is aimed at obtaining knowledge for direct acquaintance with their future professional activities and further career guidance.

Practice on management and economy of pharmacy institutions acquaints the student with the structure and equipment of pharmacies, production areas, their purpose and the relationship with occupational health and safety in the pharmacy, work organization prescription-production Department for the production of dosage forms, with the principles of storage in a pharmacy of medicines taking into account Toxicological and pharmacological groups, physico-chemical properties, medicinal vegetative raw materials, rubber products, bandaging materials.

Направления подготовки	33.05.01 Фармация (направленность: Программа широкого профиля (для иностранных граждан))
форма обучения	очная
№№ триместров, выделенных для	14
прохождения практики	
Объем практики (з.е.)	3
Объем практики (ак.час.)	108
Форма отчетности	Экзамен (14 триместр)

Примерный график прохождения практики

Количество часов	Содержание работ	Место проведения		
General acq	General acquaintance with the organization of the pharmacy enterprise			
General acq	In the process of General acquaintance the following questions are studied: - address of the pharmacy; - organizational type (pharmacy, pharmacy point, pharmacy kiosk): - name; - organizational-legal form and form of ownership; - contingent served. Does the pharmacy participate in the drug provision of health care facilities (list)? - availability of production function; - mode of operation of the pharmacy; - availability of a license for pharmaceutical activities; - statutory document; - additional activities of the pharmacy organization (including medical). Does the pharmacy provide additional medicines to the population? - form of display of goods (pharmacy counter type; with an open form of display of goods);	Pharmacy "Planet health" and "Performace" Perm drugstores "Pharmacies Udmurt Republic" Udmurt Republic		
	- degree of cooperation (a network pharmacy or a single);			

Количество часов	Содержание работ	Место проведения
	- pharmacy specialization.	
	2) Work in the formulation and production Department and inventory Department.	
Work in the	formulation and production Department and the inventory Departm	nent
12	Work in the workplace pharmacist-technologist for receiving prescriptions and dispensing drugs. Work at the workplace of the pharmacist-technologist in the assistant. Work at the workplace of the pharmacist-technologist of the Department of stocks Work at the workplace of the head Work at the workplace of the head of the Department of stocks and his deputies	Pharmacy "Panet health" and "Performace" Perm drugstores "Pharmacies Udmurt Republic" Udmurt Republic
Accounting	for the receipt of inventory	
14	The student studies the organization of delivery of goods and its documentation: the order of registration of powers of attorney to obtain inventory and accompanying documents for the goods (consignment note, invoice, price negotiation Protocol). Draws attention to the availability and correctness of documents on quality. Together with the Director of the pharmacy organization or his Deputy checks the correctness of the statement of invoices by suppliers and registers them in the accounting documents. In case of detection at acceptance of goods of shortage, surpluses or their damage the student participates in work of the selection Committee and registration of the act on the established discrepancy in quantity and quality at acceptance of goods.	Pharmacy "Panet health" and "Performace" Perm drugstores "Pharmacies Udmurt Republic" Udmurt Republic
14	The student studies the organization of accounting of retail and wholesale turnover (sale of goods to the population, medical institutions and other organizations). Masters the accounting of preferential and free release of medicines and other goods to certain categories of patients. Studies and analyzes the forms of non-cash payments used with medical institutions and other organizations. Special attention should be paid to modern methods of accounting for the movement of goods with the help of computer programs, bar code system, etc The student analyzes the documentation of the costs of inventory for economic needs, for the provision of first aid; in the case of combat, marriage, damage; at the expiration of the shelf life of medicines; medicines seized for analysis in the laboratory. Assimilates the organization of accounting of goods in the small retail network.	Pharmacy "Panet health" and "Performace" Perm drugstores "Pharmacies Udmurt Republic" Udmurt Republic

Количество часов	Содержание работ	Место проведения
	The student studies the accounting of the movement of fixed assets, containers, fuel, building materials, auxiliary materials, and the translation of various groups of values into goods.	
Cash flow a	ccounting	
14	The student studies the documentary reflection of incoming and outgoing monetary transactions. Masters the order of registration of incoming and outgoing cash orders, cash book and magazine cashier-operator. Assimilates the order of delivery of proceeds to the Bank. Takes part in the audit of the cash register. Participates in the preparation of timesheets, accrual of salaries to pharmacy employees. Calculates travel expenses, vacation and temporary disability benefits.	Pharmacy "Panet health" and "Performace" Perm drugstores "Pharmacies Udmurt Republic" Udmurt Republic
	f inventory assets	DI
12	The student studies the procedure and timing, documentation of inventory (order, inventory, summary inventory, collation statements, act of results of inventory) Takes part in the work of the Commission for inventory of inventory. Calculates the amount of natural loss for the inter-inventory period. Analyzes the reasons for the formation of shortages or surpluses of inventory.	•
	harmacy organization	
14	The student studies the tasks, types, structure and timing of pharmacy reporting. Studies the main parts of the report on the financial and economic activities of the pharmacy, the composition of accounting and statistical reporting.	Pharmacy "Panet health" and "Performace" Perm drugstores "Pharmacies Udmurt Republic" Udmurt Republic
Fundamenta	als of accounting	
14	The student gets acquainted with the organization of accounting in the pharmacy, studies the content and structure of the balance sheet, accounting accounts, their classification and structure. Studies forms and registers of accounting, registration of current statements on analytical and synthetic accounts Working on the preparation of the report, the Intern should study and bring in a diary filled forms of the following documents: - order on accounting policy of the pharmacy organization; - wholesale supplier invoices, - the Protocol of price agreement; - power of attorney for the right to receive goods; - consignment notes; - requirements-invoices of departments of the pharmaceutical organization and wholesale buyers; - purchase and sales books; - cash book, - journal of the cashier-operator; - cashier report; - incoming and outgoing cash orders;	Pharmacy "Panet health" and "Performace" Perm drugstores "Pharmacies Udmurt Republic" Udmurt Republic

Количество часов	Содержание работ	Место проведения
	- forwarding statement for delivery of proceeds to the Bank;	
	- book of accounting of small wholesale vacation and settlements	
	with buyers;	
	- statement of delivery of goods for economic needs,	
	- act on write-off of goods for economic needs;	
	- journal of laboratory and packing works and certificate of	
	additional assessment and markdown;	
	- information on the consumption of auxiliary materials;	
	- journal of medicines subject to quantitative accounting and ethyl	
	alcohol;	
	- fixed assets inventory book;	
	- statement of property, plant and equipment;	
	- information on the transfer of packaging, auxiliary materials in	
	the goods;	
	- expense report;	
	- invoice for goods sold to medical institutions;	
	- consolidated register for free and reduced leave;	
	- payment order;	
	- the sheet of accounting of working time;	
	- schedule of going to work;	
	- a payroll register for a high salary;	
	- acts on fight, damage of goods and other values;	
	- report on the financial and economic activities of the pharmacy	
	for the month;	
	- balance sheet,	
	- completed statistical reporting forms.	
	- order of the Director on inventory;	
	- inventory;	
	- comparison sheet;	
	- consolidated act of the results of the inventory;	
	- the form of calculation of natural loss of goods for the inventory	
	period.	
Exam		
4	Exam on passed practice	Department of pharmacology
		and pharmacy, Perm state
		University

5. Перечень учебной литературы, необходимой для проведения практики

Основная

1. Lars Schweizer. Advances in Pharma Business Management and Research / Lars Schweizer, Theodor Dingermann, Otto Quintus Russe, Christian Jansen // Publisher Name: Springer, Cham. — 2020. — 85 р. — ISBN 978-3-030-35918-8. — [Электронный ресурс]. https://link.springer.com/book/10.1007/978-3-030-35918-8

Дополнительная

1. Zaheer-Ud-Din Babar. Pharmacy Practice Research Methods / Zaheer-Ud-Din Babar // Publisher Name: Springer, Singapore. — 2020. — 265 р. — ISBN 978-981-15-2993-1. — [Электронный ресурс]. https://link.springer.com/book/10.1007/978-981-15-2993-1

6. Перечень ресурсов сети «Интернет», требуемых для проведения практики

Для проведения практики использование ресурсов сети «Интернет» не предусмотрено.

7. Перечень информационных технологий, используемых при проведении практики

Образовательный процесс по практике Practice on management and economy of pharmacy institutions предполагает использование следующего программного обеспечения и информационных справочных систем:

On-line access to the Electronic library system (EBS)

access to the electronic information and educational environment of the University;

Internet services and electronic resources (search engines, e-mail, professional thematic chats and forums, audio and video conferencing systems, online encyclopedias, etc.).

List of required licensed and (or) freely distributed software:

- 1. The application allows you to view and play the media content of PDF files "Adobe Acrobat Reader DC".
- 2. Programs, video demonstrations (player) "Windows Media Player".
- 3. The program of browsing Internet content (a browser) "Google Chrome".
- 4.Office Suite of applications "LibreOffice".

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/).

8. Описание материально-технической базы, необходимой для проведения практики

Independent work - pharmacy "planet health" and "Performace" Perm drugstores "Pharmacies Udmurt Republic" Udmurt Republic

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»

9. Методические указания для обучающихся по освоению дисциплины

Students during the internship are obliged to:

- 1) observe the established work schedule and follow the instructions of the practice managers;
- 2) daily record the results of the work in the diary, assuring them with the signature of the responsible person;
- 3) in the last entry in the diary to make a summary in which to highlight the main results of the practice; The student can perform an individual task on the topic proposed by the Department, or by order of the territorial administration of the pharmaceutical service or pharmacy organization-base practice. For students with disabilities and persons with disabilities on the basis of their written application, the organization of practice is implemented taking into account the peculiarities of psychophysical development, individual capabilities and health of students. This ensures

compliance with the following General requirements: use of special technical means of training collective and individual use, providing the services of an assistant, providing such a student with the necessary technical assistance, providing convenient access to the buildings and premises where practices are held, other conditions without which it is impossible or difficult to pass the practice.

The choice of places of practice for the disabled and persons with disabilities is made taking into account the requirements of accessibility for students and recommendations of medical and social expertise reflected in the individual rehabilitation program of the disabled person. At the direction of the disabled person or person with disabilities in the organization, to the enterprise industry internship supervisor negotiates with the company the terms of its passage and activities taking into account the recommendations of the medico-social assessment and individual program of rehabilitation of the disabled.

To master the theoretical part of the practice, disabled people and persons with disabilities are given the opportunity to use electronic technologies, remote mastering of the material by providing tasks and their control over the Internet, as well as individual consultations using both e-mail and visual communication using "Skype".

When performing the experimental part of the practice, additional means of protection are provided as necessary, individual assistance of educational and support personnel is provided, as well as other measures taking into account the nosologies of the disease of students.

The format of the protection of practice reports for persons with disabilities and persons with disabilities is established taking into account their individual psychophysical characteristics (orally, in writing, using electronic or other technical means). In the course of protection of the report on practice the student with HIA has the right to use technical means necessary for it.

For the visually impaired, a portable video magnifier can be provided, it is possible to use your own devices. For deaf and hard of hearing students can be presented sound amplifying equipment, it is possible to use equipment for individual use. At the request of a student with HIA in the process of protection of the report on practice, the presence of an assistant can be provided, providing the student with the necessary technical assistance, taking into account his individual characteristics. If necessary, persons with disabilities and persons with disabilities may be given additional time to prepare responses when defending practice reports.

Фонды оценочных средств для проведения промежуточной аттестации

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

ПК.3
Готов к реализации лекарственных средств в соответствии с правилами оптовой торговли, порядком розничной продажи и установленным законодательством порядком передачи лекарственных средств

ПК.7 Способен к участию в организации, обеспечении деятельности и применению основных принципов управления в фармацевтических организациях

Компетенция	Планируемые результаты обучения	Критерии оценивания результатов обучения
ПК.7.1	To know: modern approaches to	Неудовлетворительно
Организует	the formation of quality	The student is not able to organize
деятельность	management systems.	pharmaceutical activities, does not know
фармацевтической	To be able to: apply knowledge	modern approaches to the formation of quality
организации, ведет	about the organization of activities	
учетно-отчетную	of pharmaceutical organizations to	
документацию,	implement the requirements of	The student is able to organize pharmaceutical
выбирает оптимальных	international and national	activities, maintain accounting and reporting
поставщиков и	standards in the field of quality,	documentation in accordance with the
осуществляет процессы	maintain accounting and reporting	
закупок на основе	documentation in accordance with	
результатов	the requirements of Russian	administrative purposes and their effective
исследования рынка	legislation.	achievement, proceeding from interests of
товаров и услуг	To possess: skills and the	various subjects and taking into account
	organizational structure of the	immediate and remote results, a choice of
	quality management system in	optimum suppliers on the basis of results of
	pharmaceutical companies,	research of the market of goods and services.
	technology introduction of the	Хорошо
	process approach, documentation,	The student is able to organize pharmaceutical
	avakame formulation of economic	activities, maintain accounting and reporting
	and management goals and their	documentation in accordance with the
	efficient achievement, based on	requirements of Russian legislation. He has the
	the interests of different	skills of setting economic and managerial goals
	stakeholders and taking into	and their effective achievement, based on the
	account the immediate and remote	interests of various subjects and taking into
	results selection of optimal	account immediate and long-term results, the
	suppliers based on the results of	choice of optimal suppliers based on the results
	market research products and	of market research of goods and services.
	services.	Arising difficulties are eliminated after leading
		questions of the teacher.
		Отлично
		The student is fully able to organize
		pharmaceutical activities, knows modern
		approaches to the formation of quality
		management systems. He has the skills of
		setting economic and managerial goals and their
		effective achievement, based on the interests of
		various subjects and taking into account
		immediate and long-term results, the choice of
		optimal suppliers based on the results of market
		research of goods and services.

ПК.4
Готов к обеспечению хранения лекарственных средств и других товаров аптечного ассортимента

	Планируемые результаты обучения	Критерии оценивания результатов обучения
ПК.4.2 Ведет предметно- количественный учет и отчетную документацию	To know: the main regulatory and legal documents in the field of circulation of medicines, the basic principles of accounting of inventory, cash and settlements.	Неудовлетворительно The student is not able to carry out substantive and quantitative accounting and maintain reporting documentation of medicines in accordance with the established requirements.
лекарственных средств в соответствии с установленными требованиями	To be able: to make organizational and administrative documentation in accordance with state standards, to choose accounting methods and to prepare documents on accounting policy. To possess: skills on release of medicines and other pharmaceutical goods to the population according to the normative-legal documentation regulating the order of work of a pharmacy.	Удовлетворительно The student has a basic idea about the

УК.3 Способен осуществлять коммуникации в рамках академического и профессионального взаимодействия на русском и иностранном языках

Компетенция	Планируемые результаты обучения	Критерии оценивания результатов обучения
УК.3.4	Know: ways to establish and	Неудовлетворительно
Устанавливает и	maintain contacts in academic and	The student does not possess the skills of public
поддерживает контакты	professional interactions.	speech, argumentation, discussion, literary and
в академическом и	Be able to: apply methods and	business written and oral speech in Russian, the
профессиональном	means of cognition for intellectual	skills of public and scientific speech.
взаимодействии с	development, raising the cultural	Удовлетворительно
использованием	level, professional competence.	The student has the skills of public speech,
современных	Possess: the skills of public	argumentation, discussion, literary and business
коммуникативных	speech, argumentation,	written and oral speech in Russian, the skills of
технологий	discussion, the skills of literary	public and scientific speech. Has poor skills in
	and business written and oral	the use of communication technologies.
	speech in Russian, the skills of	Хорошо
	public and scientific speech, the	The student has the skills of public speech,

use of information technology.	Хорошо
	argumentation, discussion, literary and business
	written and oral speech in Russian, the skills of
	public and scientific speech. He has skills in the
	use of communication technologies. Arising
	difficulties are eliminated after leading
	questions of the teacher.
	Отлично
	The student has full knowledge of public
	speaking, argumentation, discussion, literary
	and business written and oral speech in Russian,
	skills of public and scientific speech, skills of
	using communication technologies.

Оценочные средства

Вид мероприятия промежуточной аттестации: Экзамен

Способ проведения мероприятия промежуточной аттестации : Защищаемое контрольное

мероприятие

Продолжительность проведения мероприятия промежуточной аттестации:

время отводимое на доклад .5

Показатели оценивания

The student did not come to practice or did not issue a diary of practice and did	Неудовлетворительно
not write a report.	
The diary of practice and the report on it is issued not according to criteria, at	Удовлетворительно
protection of work the student does not answer the asked questions or refuses oral	
protection.	
The diary of practice and the report on it is issued according to criteria, but at	Хорошо
protection of work the student answers not all asked questions.	
The diary of practice and the report on it is issued according to criteria, at	Отлично
protection of work the student answers all asked questions.	