

**Pharmaceutical and medical commodity science
Syllabus of the discipline 2019**

TEACHERS



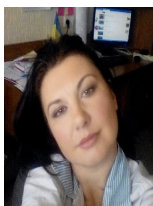
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1. Name of institution of higher education and department : National university of Pharmacy , department of commodity sciences .

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4. Information about teachers :

Baranova Inna Ivanovna

Doctor of Pharmaceutical Sciences, Head of the Department of Commodity Sciences of NPhU. Experience of scientific activity - 23 years, experience of scientific and pedagogical activity - 18 years. Reads courses: "Medical and pharmaceutical commodities", "Pharmaceutical and medical commodities", "Pharmaceutical and medical science". Scientific interests: commodity analysis of medical products, devices, apparatus, cosmetics and medicines.

Bezpalya Yulia Aleksandrovna Candidate of Pharmaceutical Sciences, Assistant Professor at the Department of Commodity Sciences of NPhU. Experience of scientific activity - 8 years, experience of scientific and pedagogical activity - 4 years. Reads courses: "Medical and pharmaceutical commodities", "Pharmaceutical and medical commodities", "Pharmaceutical and perfumery and cosmetic commodities". Scientific interests: commodity analysis of medical products, devices, apparatus, cosmetics and medicines.

Yudina Yulia Viktorovna Candidate of Pharmaceutical Sciences, Assistant Professor, Department of Commodity Sciences of NPhU. Experience of scientific activity - 22 years, experience of scientific and pedagogical activity - 18 years. Reads courses: "Medical and pharmaceutical commodities". Scientific interests: commodity analysis of medical products, devices, apparatus and medicines.

5. The consultations : are on Tuesday from 10.00 till 12.30 (Yu..A. Bezpalya, Yu. V. Yudina)

6. Brief Abstract : discipline "Pharmaceutical and medical commodities" is a compulsory discipline for the second (master's) level in the specialty 226 Pharmacy, educational program "Pharmacy". Final control - credit.

7. Purpose of discipline : the purpose of studying the discipline "Pharmaceutical and medical commodity science" is to master the technique of conducting commodity analysis; study the requirements for the quality of finished medicines (FM), medical devices (MD) and rules for their reception; study of the factors influencing the quality of FM and MD; organization of rational ways of their storage.

8. The format of the course: lectures and practical classes for a better understanding of the topics.

9. Program results of studying :

According to the results of the training, applicants for higher education will be able to:

- conduct a commodity analysis of all types of goods that pharmacy warehouses can purchase and sell in accordance with their documentation;
- fill in the necessary documentation for the accepted product;
- distribute the accepted goods by storage departments;
- to accept and release the goods taking into account its shelf life;
- check the correct storage of medicines in accordance with their physicochemical properties.

10. The volume of the course : 4 ECTS credits: 58 hours of tutorials, 18 hours of lectures, 40 hours of practical classes, 62 hours of selfwork.

11. Prerequisites of the course : " Pharmaceutical and medical commodities " .

12. Technical and software : test computers, multimedia device, screen .

13. Discipline Policies: No violation of academic integrity is tolerated. In the event of such events, responding in accordance with the provisions of NFaU.

14 . The scheme of the discipline:

Date	lectures	Materials of educational-methodical complex
Modul № 1		http://pharmel.kharkiv.edu/moodle/course/index.php?categoryid=178 ; http://tovaroved.nuph.edu.ua/?page_id=185&lang=uk
03.09.2019	Theoretical bases of commodity science. Reference documentation	
10.09.2019	Classification and coding of goods	
17.09.2019	Packaging, marking of medical devices	
17.09.2019 24.09.2019	Commodity analysis of general surgical instruments .	
01.10.2019	Commodity analysis of sutures and puncturing needles	
08.10.2019	Commodity analysis of tools and apparatus for punctures, injections, transfusions	
15.10.2019	Commodity analysis of rubber products and patient care items	
22.10.2019	Commodity analysis of dressings and finished dressings.	
29.10.2019	Commodity analysis of instruments and equipment for examination and diagnosis of the condition of the organism (tonometers) .	
05.11.2019	Commodity analysis of devices and means for examination and diagnostics of a condition of an organism (thermometers, stethoscopes) .	
12.11.2019	Commodity analysis of nebulizers and inhalers.	

19.11.2019	Products that have the right to buy and sell pharmacy establishments and their structural units	
26.11.2019	Containers, packaging materials and packaging materials	
03.12.2019	Packaging, marking and transportation of radar systems.	
10.12.2019	Organization and storage FPP M And	
Modul № 2		http://pharmel.kharkiv.edu/moodle/course/index.php?categoryid=178 ; http://tovaroved.nuph.edu.ua/?page_id=185&lang=uk
24.01.2020	Packing, marking and transporting of drugs	
07.02.2020	Acceptance of commodities in pharmacy warehouse.	
07.02.2020	Organization of storage of medicines and medical devices	
19.02.2020	The falsified drugs	
Practical (laboratory, seminar) classes		Materials of educational-methodical complex
Modul № 1		http://tovaroved.nuph.edu.ua/?page_id=185&lang=en ; Medical and pharmaceutical commodity science : workshop / D. V. Demyanenko, V. G. Demyanenko. – Kharkiv : NUPh, 2012. – V. 1. – 257 p. Pharmaceutical and medical commodity science : workbook. / I. I. Baranova, D. V. Demyanenko, S.V. Breusova, S. N. Kovalenko, S. A. Mamedova. – Kharkiv : NUPh, 2018. – 52 p. Pharmaceutical and medical commodity science : workbook. / I. I. Baranova, D. V. Demyanenko, V. G. Demyanenko S.V. Breusova, S. N. Kovalenko, S. A. Mamedova. – Kharkiv : NUPh, 2018. – 67 p. Pharmaceutical and medical commodity science [Electronic resource] = [Фармацевтичне та медичне товарознавство] : methodological recommendations for preparation to the final module control [of applicants for higher education specialty "Pharmacy"] / I. I. Baranova [et al.] ; NUPh, Dep. of Commodity Science. - Electronic text data. - Kharkiv : NUPh , 2018. - 24 p. Access Mode a : http://irbis.nuph.edu.ua/full_text/2018/2018_Pharmaceutical%20and%20medical%20commodity%20science%20.pdf
04.09.-13.09.19	Theoretical bases of commodity science. Reference documentation	
18.09-27.09.19	Classification and coding of goods	
02.10-11.10.19	Packaging, marking of medical devices	
16.10-26.10.19	Commodity analysis of general surgical instruments. Content Modular Control №1	
30.10.-08.11.19	Commodity analysis of rubber products and patient care items	
13.11.-23.11.19	Commodity analysis of sutures and puncturing needles.	
27.11-19.03.19	Commodity analysis of tools and apparatus for punctures, injections, transfusions.	
11.12-20.12.19	Commodity analysis of dressings and finished dressings.	
08.01-17.01.20	Commodity analysis of devices and means for examination and diagnostics of a condition of an organism	
20.01-24.01.20	Ophthalmic optics. Inspection analysis of devices and apparatus for diagnosis, correction and protection of vision organs. Content Modular Control №2 Final modular control № 1	
Modul № 2		
13.01.-17.01.20	Goods, which chemist' shops and their structural units have right of selling and buying	
20.01-24.01.20	Containers, packaging materials and packaging materials	

	Content Modular Control № 3	
27.01.- 31.01.20	Packaging, marking and transportation of radar systems.	
03.02.- 08.02.20	Acceptance of commodities in pharmacy warehouse.	
10.02.- 14.02.20	Organization of storage of medicines and medical devices	
17.02.- 21.02.20	Content Modular Control No. 4	
17.02.- 21.02.20	Final modular control № 2	
17.02.- 21.02.20	Credit for discipline	Guidelines for preparation for s MK http://tovaroved.nuph.edu.ua/?page_id=185&lang=uk

15 . Assessment system and requirements : assessment is carried out on a 100-point scale: current control - 1- 5 points, Semantic module control - 6- 8 points, Final module control - 24-40 points. Forms of control: oral examination, written theoretical and test control. Credit - from 60 to 100 points .