

MINISTRY OF HEALTH OF UKRAINE
BOGOMOLETS NATIONAL MEDICAL UNIVERSITY

STUDENT'S WORKBOOK
(auditory and extra-auditory independent work)

Academic discipline	Fundamentals of patent law
Branch of knowledge	22 "Health care"
Specialty	226 "Pharmacy, industrial pharmacy"
Specialization	226.01 "Pharmacy"
Department	Analytical, physical and colloid chemistry

Approved by methodological counsel of Analytical, Physical and Colloid Chemistry Department
Proceedings N 1 dated 29 August 2024

Considered and approved by cyclical methodological commission of specialty 226 "Pharmacy, industrial pharmacy"
Proceedings N 2 dated 07 October 2024

Authors:

Yaroslava Pushkarova – Associate Professor of Analytical, Physical and Colloid Chemistry Department, PhD in Chemistry, Associate Professor;
Galina Zaitseva – Head of Analytical, Physical and Colloid Chemistry Department, PhD in Chemistry, Associate Professor.

CONTENTS

INTRODUCTION	3
Topic of lesson No. 1: Copyright and related rights.	4
Topic of lesson No.2: Health care inventions and utility models.	8
Topic of lesson No. 3: Object of the invention (utility model) “device”.....	12
Topic of lesson No. 4: Object of the invention (utility model) “process” (“method”)...	15
Topic of lesson No. 5: Composing of the invention’s formula for various objects.....	19
Topic of lesson No. 6: Industrial designs related to pharmacy and medicine.	22
Topic of lesson No. 7: Trademarks for goods and services related to pharmacy and medicine.	25
Topic of lesson No. 8: Licensing – as a legal means of using intellectual property objects.....	28
Topic of lesson No. 9: Patents search.	31
Topic of lesson No. 10: Search of scientific information.	34

INTRODUCTION

Student notebook is for in-class and out-class works of students of the specialty 226 “Pharmacy, industrial pharmacy” for the course “Fundamentals of patent law”. It is a structured methodical development, containing methodical recommendations and basic information for the successful assimilation of the educational material of each topic of the discipline and preparation for practical classes.

The main purpose of using the student notebook is to optimize and increase the effectiveness of students' educational and cognitive activities during the acquiring the knowledge of the fundamentals of patent law.

Features of the proposed tasks

The proposed tasks for in-class and out-class works of students are aimed at the development of abstract thinking, analysis and synthesis, the ability to work in a team and the formation of the ability to apply knowledge in practical situations.

Rules for performing tasks

Tasks for out-class work should be completed before attending a practical class.

Tasks for in-class work are completed during a practical class.

During independent work, the student should write down his answers in the notebook according to the assigned tasks.

Evaluation criteria

The grade “**5 – Perfectly**” is obtained by the student who actively participated in the discussion of the questions on the topic of the class, without mistakes answered the written tasks.

The grade “**4 – Good**” is obtained by the student who participated in the discussion of the questions on the topic of the class, made some minor mistakes in the answers to the written tasks.

The grade “**3 – Satisfactory**” is obtained by the student who did not participate in the discussion of the questions on the topic of the class, made significant mistakes in the answers to written tasks.

The grade “**2 – Unsatisfactory**” is obtained by the student who did not participate in the discussion of the questions on the topic of the class, made gross mistakes in the answers to written tasks or did not answer them at all.

Rules for keeping a workbook

Adherence to academic integrity by students involves:

- independent performance of all types of work, tasks, forms of control provided for by the work program of this educational discipline;
- references to sources of information in the case of using ideas, developments, statements, information;
- compliance with the legislation on copyright and related rights;
- providing reliable information about the results of one’s own educational (scientific, creative) activities, used research methods and sources of information.

Have fun, enjoy your works, and best of luck with it!

Topic of lesson No. 1: Copyright and related rights.

Purpose: to form systematized knowledge about objects and protection of copyright and related rights.

Student should:

✓ *to know:* relationship between copyright and cultural development, personal non-property rights and property rights of the author;

✓ *to be able to:* classify objects and subjects of copyright and related rights, reveal the meaning of copyright in the field of pharmacy / medicine.

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
Intellectual property	category of property that includes intangible creations of the human intellect.
Copyright	set of non-property and property rights of authors and their inheritors associated with the creation and use of works of science, literature and art.
Related law	rights of performers, producers of phonograms and videograms and broadcasting organizations.

Recommended literature

Basic

1. Llewelyn, D., & Aplin, T. Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights / Sweet & Maxwell. – London, 2019. – Chapters 10-12. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. On copyright and related rights: Law of Ukraine dated 23.12.1993 No. 3792-XII: as amended on 15.12.2021. Articles 1, 7-15, 35-39. URL: <https://zakon.rada.gov.ua/laws/show/3792-12?lang=en#Text> (date of access: 25.07.2024).

Additional

1. Bouchoux, D. E. Intellectual property: the law of trademarks, copyrights, patents, and trade secrets / Delmar, Cengage Learning. – USA, 2013. – Chapters 9 and 10. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/department-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>
3. <https://www.wipo.int/copyright/en/>

Theoretical questions

1. Copyright and related rights: general provisions.
2. Objects and subjects of copyright and related rights.

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material and regulatory documents.

Task 2. Complete the table.

<i>Question</i>	<i>Answer</i>
Objects of copyright	
Subjects of copyright	
Objects related rights	
Subjects related rights	

Tasks for auditory work:

Task 1. Divide the following objects into those that are and those that are not objects of copyright: literary works, ideas, processes, methods of activity or mathematical concepts, computer programs, laws, decrees, resolutions, decisions, state symbols of Ukraine, money signs, emblems approved by state authorities, works of art, news reports, data compilations (databases).

Answer and argumentation

Task 2. Is it a violation of copyright to copy a photo on the Internet and use it for advertising or other commercial purposes?

Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. To justify the importance of knowledge and understanding of the concept of “copyright” for pharmacy / medicine.

Answer and argumentation

Topic of lesson No.2: Health care inventions and utility models.

Purpose: to form systematized knowledge about protection of rights to inventions and utility models.

Student should:

✓ *to know:* general information about inventions and utility models, main aspects of the protection of rights to inventions and utility models,

✓ *to be able to:* analyze the difference between the legal protection of an invention and a utility model, reveal the peculiarities of patenting inventions (utility models) in the field of pharmacy and medicine.

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
Invention	unique or novel device, method, composition or process
Patent	exclusive right granted by the state for the protection of an invention.
Utility model	registered right that gives the holder exclusive use of a technical invention

Recommended literature.

Basic

1. Llewelyn, D., & Aplin, T. Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights / Sweet & Maxwell. – London, 2019. – Chapters 3 and 4. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. About protection of the rights to inventions and utility models: Law of Ukraine dated December 15, 1993 No. 3684-XII: as amended on 15.06.2020. Articles 1, 6 and 7. URL: <https://zakon.rada.gov.ua/laws/show/3687-12?lang=en#Text> (date of access: 25.07.2024).

Additional

1. Bouchoux, D. E. Intellectual property: the law of trademarks, copyrights, patents, and trade secrets / Delmar, Cengage Learning. – USA, 2013. – Chapter 17. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. Public health, innovation and intellectual property rights : report of the Commission on intellectual Property Rights, Innovation and Public Health / World Health Organisation. – Geneva : WHO, 2006. – Chapter 1. URL:

<https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/department-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>
3. https://www.wipo.int/web/patents/topics/utility_models

Theoretical questions

1. Inventions and utility models: general provisions.
2. Legal protection of inventions and utility models.

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material and regulatory documents.

Task 2. Complete the table.

<i>Question</i>	<i>Answer</i>
Objects of the invention and utility model, which are provided with protection	
Objects not covered by protection	
Conditions of patentability of an invention and a utility model	

Tasks for auditory work:

Task 1. Analyze the difference between an invention and a utility model.

Answer and argumentation

Task 2. The formulation “which does not contradict public order, principles of humanity and morality” is not specific, in particular, for inventions in medicine and biotechnology.

What inventions (useful models), in your opinion, in the field of pharmacy and medicine contradict the principles of humanity and morality and, accordingly, cannot receive legal protection?

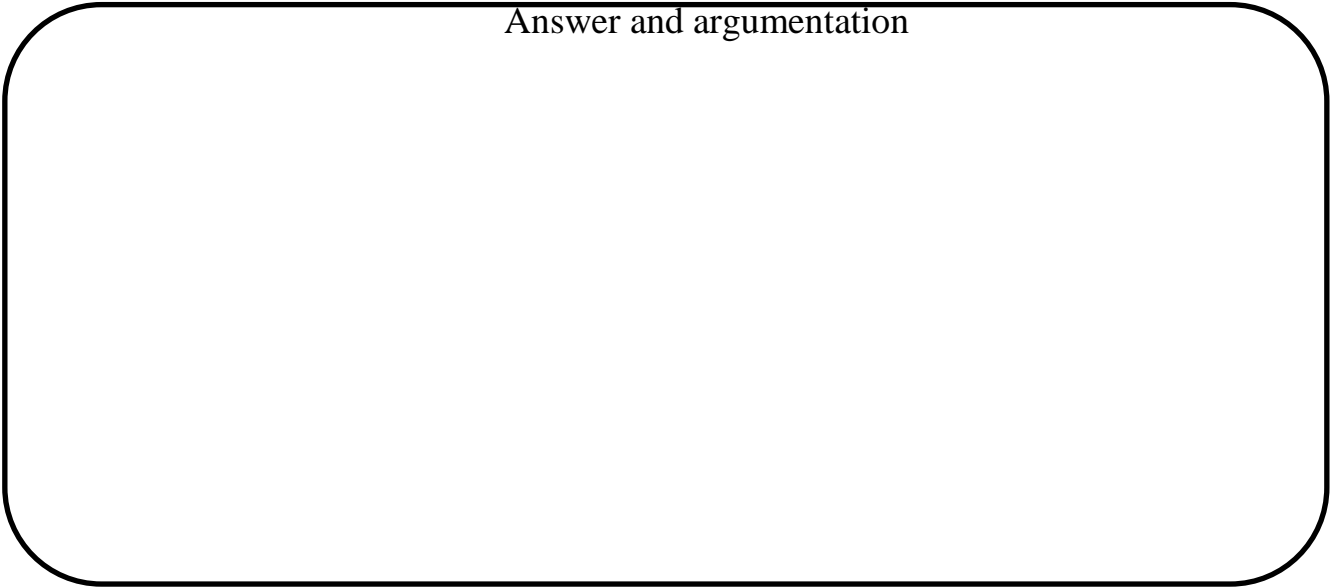
Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. Determine which of the following objects are inventions in pharmacy and medicine: methods of performing mental operations, device, conventional designations, substance, scientific theories, strain of microorganism, culture of plant and animal cells, process, algorithms and programs for computing machines, schedules, method, methods

of organization and economic management, a new application of a known product or process, rules, projects, planning schemes for buildings and buildings.

Answer and argumentation



Topic of lesson No. 3: Object of the invention (utility model) “device”.

Purpose: to form systematized knowledge about “devices” as object of the invention (utility model) in pharmacy and medicine.

Student should:

✓ *to know:* essential features of the object of the invention (utility model) “device”, the design of graphic materials for the object of the invention (utility model) “device”;

✓ *to be able to:* to interpret the peculiarities of the structure of the description of the object of the invention (utility model) “device”, classify devices in pharmacy and medicine.

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
Device	equipment, with the help of which some work is performed or a certain production process is simplified, facilitated.
Essential features of the invention	such features of the invention, each of which is necessary, and all together are sufficient, for the implementation of the invention.

Recommended literature.

Basic

1. Llewelyn, D., & Aplin, T. Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights / Sweet & Maxwell. – London, 2019. – Chapters 3 and 4. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. About protection of the rights to inventions and utility models: Law of Ukraine dated December 15, 1993 No. 3684-XII: as amended on 15.06.2020. Articles 1, 6 and 7. URL: <https://zakon.rada.gov.ua/laws/show/3687-12?lang=en#Text> (date of access: 25.07.2024).

3. Public health, innovation and intellectual property rights : report of the Commission on intellectual Property Rights, Innovation and Public Health / World Health Organisation. – Geneva : WHO, 2006. – Chapter 1. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Additional

1. Bouchoux, D. E. Intellectual property: the law of trademarks, copyrights, patents, and trade secrets / Delmar, Cengage Learning. – USA, 2013. – Chapter 17. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. Papadopoulou, F. Evergreening Patent Exclusivity in Pharmaceutical Products: Supplementary Protection Certificates, Orphan Drugs, Paediatric Extensions and ATMPs / Bloomsbury Publishing. – USA, 2021. – Chapter 7. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/department-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>
3. https://www.wipo.int/web/patents/topics/utility_models

Theoretical questions

1. Features of the application content for the object of the invention (utility model) “device”.
2. Description of the object of the invention (utility model) “device”.

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material and regulatory documents.

Task 2. Complete the table.

<i>Question</i>	<i>Answer</i>
Purpose of the description of the invention (utility model)	
Structure of the description of the invention (utility model)	
Signs for characterizing the object of the invention “device”	

Tasks for auditory work:

Task 1. Propose the examples of devices as objects of inventions in the field of pharmacy / medicine and to justify their significance (or lack of significance) for the development of pharmacy / medicine.

Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. Propose an invention (a device) that, in your opinion, is lacking for successful pharmaceutical / medical practice, and describe its essence (the technical problem to be solved by the invention).

Answer and argumentation

Topic of lesson No. 4: Object of the invention (utility model) “process” (“method”).

Purpose: to form systematized knowledge about the description structure and rules of composing an application of an invention (utility model) “process” (“method”).

Student should:

✓ *to know:* the possible essential features of the object of the invention (utility model) “process” (“method”)

✓ *to be able to:* interpret the features of the structure of the description of the object of the invention (utility model) “process” (“method”).

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
Process (method)	object of technology is an action or set of actions performed on products and other material objects with the help of at least one product and aimed at achieving a certain technical result.

Recommended literature.

Basic

1. Llewelyn, D., & Aplin, T. Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights / Sweet & Maxwell. – London, 2019. – Chapters 3 and 4. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. About protection of the rights to inventions and utility models: Law of Ukraine dated December 15, 1993 No. 3684-XII: as amended on 15.06.2020. Articles 1, 6 and 7. URL: <https://zakon.rada.gov.ua/laws/show/3687-12?lang=en#Text> (date of access: 25.07.2024).

3. Public health, innovation and intellectual property rights : report of the Commission on intellectual Property Rights, Innovation and Public Health / World Health Organisation. – Geneva : WHO, 2006. – Chapter 1. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Additional

1. Bouchoux, D. E. Intellectual property: the law of trademarks, copyrights, patents, and trade secrets / Delmar, Cengage Learning. – USA, 2013. – Chapter 17. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. Papadopoulou, F. Evergreening Patent Exclusivity in Pharmaceutical Products: Supplementary Protection Certificates, Orphan Drugs, Paediatric Extensions and ATMPs / Bloomsbury Publishing. – USA, 2021. – Chapter 7. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/department-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>
3. https://www.wipo.int/web/patents/topics/utility_models

Theoretical questions

1. Features of the content of the application for the object of the invention (utility model) “process” (“method”).
2. Description of the object of the invention (utility model) “process” (“method”).

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material and regulatory documents.

Task 2. Complete the table.

<i>Question</i>	<i>Answer</i>
Signs for characterizing the object of the invention (utility model) “process” (“method”)	
What should be stated in the description of the invention if the invention is a process of treatment, prevention or diagnosis of a certain disease?	

Task 3. Compare the structure of the description to the objects of the invention “process” (“method”) and “device” and complete the table:

Description element	Object of the invention “device”	Object of the invention “process” (“method”)
Section “Technical Level”		
Section “The essence of the invention (utility model)”		
Section “Information that confirms the possibility of implementing the invention”		

Tasks for auditory work:

Task 1. In the latest edition of the Law of Ukraine “On the Protection of Rights to Inventions and Utility Models” (No. 816-IX dated 21.07.2020), a new norm for Ukraine was introduced: surgical or therapeutic methods of treatment cannot receive legal protection as inventions (utility models) human or animal, methods of diagnosing the human or animal body. Do you support this norm?

Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. Methods of manufacturing medicinal compositions and biologically active additives occupy a special place among other objects of intellectual property law. Justify the truth of this statement.

Answer and argumentation

Topic of lesson No. 5: Composing of the invention's formula for various objects

Purpose: to form systematized knowledge about the constituent parts of the invention's formula and types of invention's formula.

Student should:

- ✓ *to know:* single-link and multi-link formulas;
- ✓ *to be able to:* classify and explain the components of the claims, interpret the formula of the invention for a substance, interpret the formula of the invention for the use of a known object for a new, non-obvious purpose.

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
Formula of the invention (utility model)	expresses its essence and is presented clearly and concisely.

Recommended literature.

Basic

1. Llewelyn, D., & Aplin, T. Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights / Sweet & Maxwell. – London, 2019. – Chapters 3 and 4. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. About protection of the rights to inventions and utility models: Law of Ukraine dated December 15, 1993 No. 3684-XII: as amended on 15.06.2020. Articles 1, 6 and 7. URL: <https://zakon.rada.gov.ua/laws/show/3687-12?lang=en#Text> (date of access: 25.07.2024).

Additional

1. Bouchoux, D. E. Intellectual property: the law of trademarks, copyrights, patents, and trade secrets / Delmar, Cengage Learning. – USA, 2013. – Chapter 17. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/departament-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>
3. https://www.wipo.int/web/patents/topics/utility_models

Theoretical questions

1. Meaning of the formula of the invention.
2. Single-link and multi-link formulas of the invention.

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material and regulatory documents.

Task 2. Describe the rules for compiling a multi-link formula.

Answer and argumentation

Tasks for auditory work:

Task 1. Analysis of the formula using the example of a real object.

Dietary supplement containing hawthorn fruit extract, ethyl alcohol 40% and purified water, which is distinguished by the fact that it additionally contains rosehip fruit extract, mountain ash extract, with the following ratio of components, wt. %: hawthorn fruit extract – 3.0–7.0; rosehip fruit extract – 3.0–7.0; mountain ash extract – 1.5–4.5; ethyl alcohol 40% – 35.0–50.0; the water is purified – the rest.

Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. Describe the difference between a single-link formula and a multi-link formula.

Answer and argumentation

Topic of lesson No. 6: Industrial designs related to pharmacy and medicine.

Purpose: to form systematized knowledge about the protection of rights to industrial designs.

Student should:

✓ *to know:* possible essential features for industrial designs, the main aspects of the basics of protection of rights to industrial designs;

✓ *to be able to:* analyze the structure of the industrial design application, reveal the meaning of industrial designs in the field of pharmacy and medicine.

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
Industrial design	process of design applied to physical products that are to be manufactured by mass production. It is the creative act of determining and defining a product's form and features, which takes place in advance of the manufacture or production of the product.

Recommended literature.

Basic

1. Llewelyn, D., & Aplin, T. Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights / Sweet & Maxwell. – London, 2019. – Chapter 15. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. About protection of the rights to industrial designs: Law of Ukraine dated December 15, 1993 No. 3688-XII: as amended on 16.06.2020. Articles 1, 5 and 6. URL: <https://zakon.rada.gov.ua/laws/show/3688-12?lang=en#Text> (date of access: 25.07.2024).

Additional

1. Public health, innovation and intellectual property rights : report of the Commission on intellectual Property Rights, Innovation and Public Health / World Health Organisation. – Geneva : WHO, 2006. – Chapter 1. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. Papadopoulou, F. Evergreening Patent Exclusivity in Pharmaceutical Products: Supplementary Protection Certificates, Orphan Drugs, Paediatric Extensions and

ATMPs / Bloomsbury Publishing. – USA, 2021. – Chapter 2. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/department-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>
3. <https://www.wipo.int/designs/en/>

Theoretical questions

1. Objects of industrial designs.
2. Criteria for protection capability of an industrial model.

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material and regulatory documents.

Task 2. Complete the table.

<i>Question</i>	<i>Answer</i>
Objects of industrial design	
Essential features of an industrial design	
Components of an application for an industrial design	

Tasks for auditory work:

Task 1. Give examples of industrial model objects in pharmacy / medicine and justify their significance for the development of pharmacy / medicine.

Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. Determine which of the following objects belong and do not belong to objects of industrial design: form, industrial structures, drawing, objects of architecture, printed products, objects of gaseous substances, objects of loose substances.

Answer and argumentation

Topic of lesson No. 7: Trademarks for goods and services related to pharmacy and medicine.

Purpose: to form systematized knowledge about the protection of rights to trademarks for goods and services.

Student should:

✓ *to know:* the conditions for providing protection of trademarks for goods and services, the rights holder of the certificate of Ukraine of trademarks for goods and services;

✓ *to be able to:* classify trademarks for goods and services, classify trademarks for goods and services in medicine and pharmacy.

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
Trademark	type of intellectual property consisting of a recognizable sign, design, or expression that identifies products or services from a particular source and distinguishes them from others

Recommended literature.

Basic

1. Bouchoux, D. E. Intellectual property: the law of trademarks, copyrights, patents, and trade secrets / Delmar, Cengage Learning. – USA, 2013. – Chapters 2 and 3. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. About protection of the rights to trademarks for goods and services: Law of Ukraine dated December 15, 1993 No. 3689-XII: as amended on 16.06.2020. Articles 1, 5 and 6 URL: <https://zakon.rada.gov.ua/laws/show/3689-12?lang=en#Text> (date of access: 25.07.2024).

Additional

1. Llewelyn, D., & Aplin, T. Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights / Sweet & Maxwell. – London, 2019. – Chapters 16 and 17. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. Papadopoulou, F. Evergreening Patent Exclusivity in Pharmaceutical Products: Supplementary Protection Certificates, Orphan Drugs, Paediatric Extensions and ATMPs / Bloomsbury Publishing. – USA, 2021. – Chapter 4. URL:

<https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

3. Public health, innovation and intellectual property rights : report of the Commission on intellectual Property Rights, Innovation and Public Health / World Health Organisation. – Geneva : WHO, 2006. – Chapter 3. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/departament-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>
3. <https://www.wipo.int/trademarks/en/>

Theoretical questions

1. Types and categories of marks.
2. Infringement of trademarks.

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material and regulatory documents.

Task 2. Complete the table.

<i>Question</i>	<i>Answer</i>
Trademark objects	
Grounds for refusal to provide protection	

Tasks for auditory work:

Task 1. Give examples of the use of trademarks in medicine and pharmacy.

Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. Determine which of the designations can receive legal protection: verbal in the form of words or combinations of letters that do not have distinguishing ability; pictorial in the form of graphic compositions of any shape on the plane; state coats of arms, flags and emblems; volumetric in the form of figures or their compositions in three dimensions; emblems; abbreviated or full names of international intergovernmental organizations; combinations of verbal, pictorial and volumetric designations; official control, guarantee and test marks; stamps; official names of states; awards and honors.

Answer and argumentation

Topic of lesson No. 8: Licensing – as a legal means of using intellectual property objects.

Purpose: to form systematized knowledge about the licenses for the right to use intellectual property objects.

Student should:

- ✓ *to know:* concept of a license for the right to use intellectual property objects, types of payments for obtaining a license;
- ✓ *to be able to:* analyze and classify license agreements.

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
License	official permission or permit to do, use, or own something (as well as the document of that permission or permit).
Licensor	person or a company with exclusive legal rights over a thing that gives, sells or otherwise surrenders to another a limited right to use that thing. The person benefiting from the grant is called a licensee and the legal term used to describe the authority so given is license.

Recommended literature.

Basic

1. Llewelyn, D., & Aplin, T. Intellectual Property: Patents, Copyright, Trade Marks and Allied Rights / Sweet & Maxwell. – London, 2019. – Chapter 2. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Additional

1. Bouchoux, D. E. Intellectual property: the law of trademarks, copyrights, patents, and trade secrets / Delmar, Cengage Learning. – USA, 2013. – Chapter 5. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

2. Public health, innovation and intellectual property rights : report of the Commission on intellectual Property Rights, Innovation and Public Health / World Health Organisation. – Geneva : WHO, 2006. – Chapter 2. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/department-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>
3. <https://www.wipo.int/sme/en/assignment-licensing.html>

Theoretical questions

1. License agreement as a legal form of transfer of rights to objects of industrial property.
2. Procedure for settlements under license agreements.

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material.

Task 2. Complete the table.

<i>Question</i>	<i>Answer</i>
Types of licenses	
Main types of license payments	

Tasks for auditory work:

Task 1. Name the main principles of state policy in the field of licensing.

Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. In your opinion, what role does licensing play in the field of pharmacy / medicine?

Answer and argumentation

Topic of lesson No. 9: Patents search.

Purpose: to form systematized knowledge about the working with databases of patent information in the field of knowledge 22 “Health care”.

Student should:

✓ *to know:* concept of “patent search” and its meaning, the possibilities of the Internet as a source of information for patent search;

✓ *to be able to:* classify search criteria in patent databases, analyze the selection of sources of patent information for patent search.

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
Patentability search	patentability search helps identify whether or not an idea is novel and nonobvious. The most complete searches include all types of prior art to give an inventor or organization a comprehensive look at the technology landscape; also known as a novelty search.

Recommended literature.

Basic

1. Bouchoux, D. E. Intellectual property: the law of trademarks, copyrights, patents, and trade secrets / Delmar, Cengage Learning. – USA, 2013. – Chapter 18. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Additional

1. Public health, innovation and intellectual property rights : report of the Commission on intellectual Property Rights, Innovation and Public Health / World Health Organisation. – Geneva : WHO, 2006. – Chapter 5. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/department-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>
3. <https://patentscope.wipo.int/search/en/search.jsf>

Theoretical questions

1. The concept of “patent search”.
2. Sources of patent information.

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material.

Task 2. Complete the table.

<i>Question</i>	<i>Answer</i>
Purpose of patent search	
Types of patent search	

Tasks for auditory work:

Task 1. To justify the quality and possibilities of the Internet as a source of information for patent search.

Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. Which type of patent search do you find most convenient and why?

Answer and argumentation

Topic of lesson No. 10: Search of scientific information.

Purpose: to form systematized knowledge about the working with databases of scientific information in the field of knowledge 22 “Health care”.

Student should:

✓ *to know:* the characteristics of the information search process, peculiarities of searching for scientific information on the Internet, the specifics of the activities of national libraries and databases of scientific literature;

✓ *to be able to:* analyze the meaning of scientific information, classify information source.

List of the main terms, parameters, and characteristics

<i>Term, parameter, characteristic</i>	<i>Definition</i>
Scientific information	factual inputs, data, models, analyses, technical information, or scientific assessments related to such disciplines as the behavioral and social sciences, public health and medical sciences, life and earth sciences, engineering, or physical sciences. This definition includes any communication or representation of knowledge (e.g., facts or data, in any medium or form, including textual, numerical, graphic, cartographic, narrative, or audiovisual forms).
Information searching	well-defined, targeted information seeking for a clearly articulated information need, that is, when you have a fairly clear idea of the kind of information you need.
Scientometric database	bibliographic and abstract database, an instrument for tracing citation of scientific papers.

Recommended literature.

Basic

1. Bouchoux, D. E. Intellectual property: the law of trademarks, copyrights, patents, and trade secrets / Delmar, Cengage Learning. – USA, 2013. – Chapter 18. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Additional

1. Papadopoulou, F. Evergreening Patent Exclusivity in Pharmaceutical Products: Supplementary Protection Certificates, Orphan Drugs, Paediatric Extensions and

ATMPs / Bloomsbury Publishing. – USA, 2021. – Chapter 1. URL: <https://likar.nmuofficial.com/md/course/view.php?id=7413> (date of access: 25.07.2024).

Information resources

1. <https://nmuofficial.com/zagalni-vidomosti/kafedri/department-medical-general-chemistry/>
2. <https://likar.nmuofficial.com/md/course/view.php?id=7413>

Theoretical questions

1. Concepts of “scientific information” and “information search”.
2. Electronic search of scientific information.

Tasks for extra-auditory independent work:

Task 1. Work out the theoretical material.

Task 2. Complete the table.

<i>Question</i>	<i>Answer</i>
Features of the process of searching scientific literature	
Sources of information support for pharmacists and doctors	

Tasks for auditory work:

Task 1. Internet or library? Name the advantages and disadvantages of searching for information on the Internet and in the library; make a choice in favor of one option of information search and justify it.

Answer and argumentation

Tasks for auditory independent work (under the supervision of a teacher):

Task 1. Describe the stages of information search in the process of educational activity (it is possible from personal experience).

Answer and argumentation