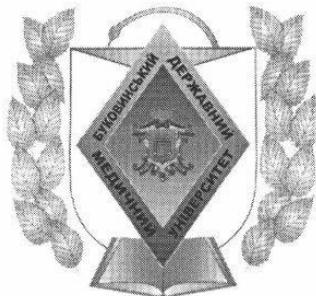


MINISTRY OF HEALTH OF UKRAINE
BUKOVINIAN STATE MEDICAL UNIVERSITY

APPROVE

Vice-Rector of higher educational establishment
on Scientific and Pedagogical Work and
International Relations

 Oksana HODOVANETS
«23» 08 2025



STUDENT GUIDE
(SYLLABUS)
of studying the discipline

«Fundamentals of Patent Science and Intellectual Property»

Field of knowledge 22 Healthcare

Specialty 221 Dentistry

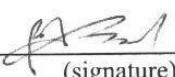
Educational degree Doctor of Philosophy (PhD)

Educational year 2

Form of study full-time (day, evening) / part-time

Department Medical and Biological Physics and of Medical Informatics Department

Approved at a meeting of the department of Medical and Biological Physics and Medical Informatics « » 2025 (Protocol №).

Head of the Department  (Volodymyr FEDIV)
(signature)

Approved by the subject methodical commission for medico-biological disciplines of the physiological and physical-chemical profile of Bukovinian State Medical University
« » 202 (Protocol №).

Chairman of the subject methodical
commission  (Svitlana TKACHUK)
(signature)

1. GENERAL INFORMATION ABOUT SCIENTIFIC AND PEDAGOGICAL WORKERS WHO TEACH THE DISCIPLINE

Department	Medical and Biological Physics and Medical Informatics
Surname, name of scientific and pedagogical staff, scientific degree, academic status	Makhrova Yevhenia – associate professor, PhD in Physics and Mathematics mahrova.jevgenija@bsmu.edu.ua
Web page of the department on the official website of the university	https://www.bsmu.edu.ua/biologichnoyi-fiziki-ta-medichnoyi-informatiki/
Department website	https://bphmi.bsmu.edu.ua/
E-mail	biophysics@bsmu.edu.ua
Address	Kobylanska Str., 42 Celana Str., 9
Contact phone	+380372524544

2. GENERAL INFORMATION ABOUT THE DISCIPLINE

Status of the discipline	elective
Number of credits	3
Total amount of hours	90
Lectures	0
Practical lessons	30
Individual work	60
Type of final control	Credit (pass/fail)

3. DESCRIPTION OF THE DISCIPLINE (ABSTRACT)

The discipline is fundamental and pertains to the professional training of higher education seekers for the Doctor of Philosophy (PhD) degree in specialty 221 "Dentistry". Significant emphasis is placed on the study of patent science and the relevant legislative framework, including amendments aimed at supporting the state program for EU integration, as well as other objects of intellectual property, such as copyright, rationalization proposals, scientific and scientific-pedagogical works, etc. The course provides an in-depth examination of the rules for preparing the intellectual property documents specified by law, including supporting documentation, and the procedures for their submission both on physical media and in electronic form. Furthermore, PhD students will master the most advanced possibilities for patent searching in national and international patent databases.

4. POLICY OF THE DISCIPLINE

4.1. *List of normative documents:*

- Regulations on the organization of the educational process – <https://cutt.ly/ArUqCMFh>;
- Instructions for assessing the educational activities of BSMU PhD students in the implementation of the European credit transfer system of the educational process – <https://cutt.ly/yrUqVPvn>;
- Regulations on the procedure for reworking missed and uncredited classes – <https://cutt.ly/jrUqBS36>;
- Regulations on the appeal of the results of the final control of knowledge of higher education – <https://cutt.ly/3rUqMAbV>;
- Codex of Academic Integrity – <https://cutt.ly/FrUq1ljK>;
- Regulations on the prevention of academic plagiarism – <https://cutt.ly/MrUq6QAt>;
- Regulations on the procedure and conditions for PhD students to choose elective courses – <https://cutt.ly/srUwo6Ci>;

- Regulations on the procedure for recognizing learning outcomes achieved through non-formal and/or informal education – <https://cutt.ly/SrUwp1ie>;
- Rules of conduct for PhD students – <https://cutt.ly/ErUq72rZ>;
- Rules of internal labor regulations – <https://cutt.ly/UrUwiACe>.

4.2. Policy on adherence to the principles of academic integrity of PhD students:

- independent performance of educational tasks of current and final controls without the use of external sources of information;
- cheating during control of knowledge is prohibited;
- independent performance of individual tasks and correct registration of references to sources of information in case of borrowing of ideas, statements, information.

4.3. Policy on adherence to the principles and norms of ethics and deontology by PhD students:

- actions in professional and educational situations from the standpoint of academic integrity and professional ethics and deontology;
- compliance with the university's internal labor regulations and rules of conduct for PhD students, be tolerant, friendly, and thoughtful in communicating with PhD students and staff of departments, healthcare institutions, etc.
- awareness of the importance of examples of human behavior in accordance with the norms of academic integrity and medical ethics.

4.4. Attendance policy for PhD students:

- attendance at all training sessions (lectures, practical (seminar) classes, final modular control) is mandatory for the purpose of current and final assessment of knowledge (except for respectable reasons).

4.5. Deadline policy and completion of missed or uncredited classes by PhD students:

- reworks of missed classes are held according to the schedule of missed or uncredited classes and consultations.

5. PRECISIONS AND POST-REQUIREMENTS OF THE DISCIPLINE (INTERDISCIPLINARY RELATIONS)

List of disciplines, on which the study of academic discipline is based	List of academic disciplines, for which the basis is laid as a result of studying the discipline
All specialized disciplines	
Modern information technologies	
Fundamentals of academic integrity	

6. PURPOSE AND TASKS OF THE DISCIPLINE:

6.1. The goal of the course "Fundamentals of Patent Science and Intellectual Property" is to acquire and deepen a complex of knowledge, abilities, skills, and other competencies sufficient for conducting patent searches and preparing relevant documents for intellectual property objects in accordance with the requirements of current legislation, while ensuring the protection of rights for these objects.

6.2. The main tasks of studying the discipline are:

- to study the legislative framework regarding intellectual property objects;
- to acquire skills in conducting patent searches;
- to master the fundamental principles of drafting formal patent documents;
- to acquire skills in preparing patent application documents;
- to acquire skills in preparing copyright registration documents;
- to acquire skills in preparing documents for rationalization proposals;

- to acquire skills in the online submission of electronic documents for the registration of intellectual property objects using specialized software and online resources for document format conversion and the application of qualified electronic signatures.

7. COMPETENCIES, THE FORMATION OF WHICH IS CONTRIBUTED BY THE DISCIPLINE:

7.1. Integral competence:

Ability to solve complex problems in the field of professional medical activity, conduct original scientific research, and carry out research and innovation activities in the healthcare sector based on a profound re-evaluation of existing knowledge and the creation of new comprehensive theoretical or practical knowledge and/or professional practice.

7.2. General competencies:

GC01. Ability to solve complex problems based on a systematic scientific worldview and a broad general cultural outlook, while adhering to professional ethics and academic integrity.

GC02. Ability to search for, process, and analyze information from various sources.

7.3. Professional (special) competencies:

SC05. Ability to generate new ideas for the development of dentistry theory and practice, identify problems, formulate and solve research-oriented problems in the healthcare sector, as well as evaluate and ensure the quality of research conducted in dentistry.

SC06. Ability to apply modern digital technologies, databases and other electronic resources, as well as specialized software in scientific and educational activities.

SC08. Ability for continuous self-development and self-improvement.

8. RESULTS OF STUDYING THE DISCIPLINE

The academic discipline ensures the formation of the following program learning outcomes:

PLO 01. To possess conceptual and methodological knowledge in dentistry and at the intersection of subject areas, as well as research skills sufficient for the intellectual protection of scientific and applied research at the level of the latest global achievements in the relevant field, obtaining new knowledge, and/or implementing innovations.

PLO 03. To freely present and discuss with specialists and non-specialists the content of innovations, program code, and applied problems of dentistry in the state and foreign languages; to publish results through patenting or registering copyrights for innovative developments.

PLO 04. To apply modern tools and technologies for searching and analyzing biomedical prototypes, specialized databases, and information systems.

PLO 05. To develop and implement scientific and/or innovative medical projects that provide the opportunity to rethink existing knowledge and create new comprehensive knowledge and/or professional practice and solve significant problems in the field of medicine.

As a result of studying the discipline, the learner should:

8.1. Know:

- fundamental principles of patent science and intellectual property.
- leading information resources for information retrieval.
- modern information technologies.
- global information resources in the field of patent science and intellectual property.
- modern published results of innovative activity registered as intellectual property objects.
- the current state of scientific knowledge in the context of patent science and intellectual property.
- the essence of patent and licensing activities.
- the essence of the process of creating intellectual property objects.
- legal frameworks for patenting, copyright, and other intellectual property objects.
- the concept of justifying novelty when creating intellectual property objects.

- procedures and rules for the registration of patents and other intellectual property objects.
- criteria for drafting formal application documents (formula, description) for the registration of patents and other intellectual property objects.
- types of systematic errors and methods for their prevention.
- the discipline content (by specialization) in accordance with future professional activity.
- priority directions for the development of science and medicine.
- key criteria for preparing documentation for the registration of intellectual property objects in offline and online modes.
- varieties of specialized software packages for preparing documentation for the online registration of intellectual property objects.
- types and principles of using a qualified electronic signature for the online registration of intellectual property objects.
- fundamentals of ethical, social, and legal responsibility regarding copyright infringements on intellectual property objects.
- principles for preventing plagiarism, falsification, and corruption.
- legal frameworks for the protection of copyrights on intellectual property objects.

8.2. Be able to:

- use modern information technologies for information retrieval.
- conduct information searches.
- analyze data obtained from information sources.
- generate new ideas for patenting or other types of intellectual property and ensure the preparation and registration of patent and license documents.
- make independent decisions.
- analyze core concepts in the field of scientific activity.
- interpret research results in the chosen scientific field.
- conduct critical analysis of modern intellectual property objects.
- adequately evaluate the achievements and novelty of an intellectual property object.
- formulate the concept and content of a formal document describing an innovative product for its registration as an intellectual property object, considering absolute novelty.
- execute drawings and other graphic materials in accordance with the requirements for formal application documentation.
- foresee formal drafting errors.
- select adequate analogues and prototypes for intellectual property objects.
- use specialized software packages to prepare documentation for the online registration of intellectual property objects.
- use a qualified electronic signature for the online registration of intellectual property objects.

8.3. Demonstrate:

- skills in searching for prototypes, drafting descriptions, claims (formulas), abstracts, and patent drawings, as well as preparing copyright documentation.
- skills in forming an innovative development according to the requirements for the protection of intellectual property rights.

9. INFORMATIONAL SCOPE OF THE DISCIPLINE

Description of each module of the discipline:

9.1. Specific objectives of the module (content modules).

Module 1. Fundamentals of Patent Science and Intellectual Property

Content module 1. Fundamentals of Patent Science and Intellectual Property

Specific objectives:

- To master the skills of conducting research on scientific sources of intellectual property and the analysis of prototypes;
- To master the skills of forming and creating patents, copyrights, and rationalization proposals.

9.2. Thematic structure of the module (content modules).

Module 1. Fundamentals of Patent Science and Intellectual Property

Content module 1. Fundamentals of Patent Science and Intellectual Property

Topic 1. General provisions on intellectual property: concept, classification, and legislative framework.

Definition of the concept of intellectual property and its key role in the scientific field. Review of the classification of IP objects into industrial property and copyright, as well as an analysis of the national and international legislative framework regulating their legal protection.

Topic 2. Intellectual property for literary and other works – copyright: concept, general characteristics, sources, classification, legal protection, registration procedures, and terms of validity. Disclosure of the essence of copyright, which protects works of science, literature, and art, with an emphasis on the classification of works and types of rights (moral and economic). Study of formal registration procedures (at the author's discretion) and standard terms of legal protection validity.

Topic 3. Conducting research of scientific sources. Use of national and international search databases. Conducting and documenting patent searches for research and dissertation papers.

Mastering the methodology for conducting thorough patent and information searches, including the practical use of leading national and international databases (WIPO, EPO, Google Patents). Providing rules for drafting a patent search report to justify the novelty of research.

Topic 4. Intellectual property for inventions and utility models – patent law: concept, general characteristics, sources, types of patents, legal protection, patent filing procedures, acquisition process, terms of validity, and renewal.

Patent law as the basis for the protection of technical solutions (inventions, utility models), disclosure of patentability criteria, and differences between these objects. Study of application filing procedures, examination, and the process for maintaining patent validity.

Topic 5. Patent science. Search for analogues and a prototype. Discussion of scientific novelty and problems identified as a result. Criteria for drafting the formal document "Description".

Acquisition of the methodology for searching for the closest analogue (prototype) to determine the state of the art and justify the scientific novelty of one's own solution. Study of the requirements for the structure and drafting of the formal document "Description of the Invention" in accordance with current regulations.

Topic 6. Patent science. Criteria for drafting the formal document "Claims" (Formula).

Focus on the most critical element of the application – the patent claims (formula), which clearly define the scope of legal protection. Consideration of its structural requirements (preamble and characterizing portion) and acquisition of skills in drafting claims to ensure maximum protection.

Topic 7. Patent science. Criteria for drafting formal documents: abstract and drawings (graphic materials).

Review of the rules for drafting additional formal documents: the abstract (a brief information summary) and drawings (graphic materials) that visually illustrate the essence of the technical solution. Study of requirements for their content, connection to the description, and graphic execution.

Topic 8. Preparation of supporting patent documents according to current legislation. Patent registration (offline).

Preparation of a complete set of supporting documents (application, power of attorney, payment of fees) necessary for filing an application with the national IP authority. Review of all stages of the traditional "paper-based" (offline) filing procedure and subsequent clerical processing.

Topic 9. Review and use of specialized software for converting documentation for online registration of intellectual property objects. Creation and use of a qualified electronic signature. Online registration of patents and copyright.

Study of requirements for electronic document formats and the use of specialized software for documentation conversion. Mastering the skills of creating and applying a qualified electronic signature (QES) for the online registration of IP objects.

Topic 10. Rights to non-traditional intellectual property objects: scientific discoveries and rationalization proposals. Documentation and registration of rationalization proposals.

Disclosure of the specifics of protecting non-traditional IP objects, including scientific discoveries (regarding their registration) and rationalization proposals (as a local form of protection). Detailed study of the procedure for documenting, filing, and registering rationalization proposals within an institution.

10. STRUCTURE OF THE DISCIPLINE

Names of content modules and topics	Total	Amount of hours including			
		Classroom		Independent PhD students' work	Individual work
		Lections	Practicals		
1	2	3	4	5	6
Module 1 Fundamentals of Patent Science and Intellectual Property					
Content module 1. Fundamentals of Patent Science and Intellectual Property					
Topic 1 General provisions on intellectual property: concept, classification, and legislative framework.	6		2	4	
Topic 2. Intellectual property for literary and other works – copyright: concept, general characteristics, sources, classification, legal protection, registration procedures, and terms of validity.	6		2	4	
Topic 3 Conducting research of scientific sources. Use of national and international search databases. Conducting and documenting patent searches for research and dissertation papers.	6		2	4	
Topic 4. Intellectual property for inventions and utility models – patent law: concept, general characteristics, sources, types of patents, legal protection, patent filing procedures, acquisition	6		2	4	

process, terms of validity, and renewal.					
Topic 5. Patent science. Search for analogues and a prototype. Discussion of scientific novelty and problems identified as a result. Criteria for drafting the formal document "Description".	18		6	12	
Topic 6. Patent science. Criteria for drafting the formal document "Claims" (Formula).	12		4	8	
Topic 7. Patent science. Criteria for drafting formal documents: abstract and drawings (graphic materials).	12		4	8	
Topic 8. Preparation of supporting patent documents according to current legislation. Patent registration (offline).	12		4	8	
Topic 9. Review and use of specialized software for converting documentation for online registration of intellectual property objects. Creation and use of a qualified electronic signature. Online registration of patents and copyright.	6		2	4	
Topic 10. Rights to non-traditional intellectual property objects: scientific discoveries and rationalization proposals. Documentation and registration of rationalization proposals.	6		2	4	
Total on the content module 3	90		30	60	
TOTAL HOURS	90		30	60	

11. THEMATIC PLAN OF LECTURES

not provided

12. THEMATIC PLAN OF PRACTICAL CLASSES

Nº	Name f topic	Amount of hours
1	General provisions on intellectual property: concept, classification, and legislative framework.	2
2	Intellectual property for literary and other works – copyright: concept, general characteristics, sources, classification, legal protection, registration procedures, and terms of validity.	2
3	Conducting research of scientific sources. Use of national and international search databases. Conducting and documenting patent searches for research and dissertation papers.	2
4	Intellectual property for inventions and utility models – patent law: concept, general characteristics, sources, types of patents, legal protection, patent filing procedures, acquisition process, terms of validity, and renewal.	2

5	Patent science. Search for analogues and a prototype. Discussion of scientific novelty and problems identified as a result. Criteria for drafting the formal document "Description".	6
6	Patent science. Criteria for drafting the formal document "Claims" (Formula).	4
7	Patent science. Criteria for drafting formal documents: abstract and drawings (graphic materials).	4
8	Preparation of supporting patent documents according to current legislation. Patent registration (offline).	4
9	Review and use of specialized software for converting documentation for online registration of intellectual property objects. Creation and use of a qualified electronic signature. Online registration of patents and copyright.	2
10	Rights to non-traditional intellectual property objects: scientific discoveries and rationalization proposals. Documentation and registration of rationalization proposals.	2
Total		60

13. THEMATIC PLAN OF INDEPENDENT PhD students' WORK

Nº	Name f topic	Amount of hours
1	General provisions on intellectual property: concept, classification, and legislative framework.	4
2	Intellectual property for literary and other works – copyright: concept, general characteristics, sources, classification, legal protection, registration procedures, and terms of validity.	4
3	Conducting research of scientific sources. Use of national and international search databases. Conducting and documenting patent searches for research and dissertation papers.	4
4	Intellectual property for inventions and utility models – patent law: concept, general characteristics, sources, types of patents, legal protection, patent filing procedures, acquisition process, terms of validity, and renewal.	4
5	Patent science. Search for analogues and a prototype. Discussion of scientific novelty and problems identified as a result. Criteria for drafting the formal document "Description".	12
6	Patent science. Criteria for drafting the formal document "Claims" (Formula).	8
7	Patent science. Criteria for drafting formal documents: abstract and drawings (graphic materials).	8
8	Preparation of supporting patent documents according to current legislation. Patent registration (offline).	8
9	Review and use of specialized software for converting documentation for online registration of intellectual property objects. Creation and use of a qualified electronic signature. Online registration of patents and copyright.	4
10	Rights to non-traditional intellectual property objects: scientific discoveries and rationalization proposals. Documentation and registration of rationalization proposals.	4
Total		60

14. LIST OF INDIVIDUAL TASKS

not provided

15. TASKS FOR INDEPENDENT WORK

assigned by the instructor individually for each learner according to the topic and purpose of the intellectual development

16. METHODS AND FORMS OF CONTROL (including criteria for assessing learning outcomes)

16.1. Form, procedure, methodology, and criteria for assessing current learning activities.

Current control is carried out at each practical lesson in accordance with the specific objectives of the topic. It is applied during all practical classes through the completion of practical assignments by PhD students, including competence-oriented ones.

16.2. Form, procedure, methodology, and criteria for assessing individual independent work.

Self-study is assessed during practical classes and is a component of the student's final grade.

16.3. Conditions for admission to the final assessment.

A student is permitted to take the final assessment if they have completed all types of work specified in the discipline's curriculum, attended all lectures and practical classes outlined in the department's calendar-thematic plan, and have accumulated a total score for the discipline that is not less than the minimum required.

16.4. Form, procedure, methodology, and criteria for assessment during the final assessment.

The final assessment is conducted in the form of a pass/fail exam (zalik).

The learner receives a "Passed" grade if they have completed all types of work prescribed by the course syllabus, attended all training sessions specified in the thematic plan (or made up for any absences in a timely manner), and earned a total score for the course of no less than 120 points.

The learner receives a "Failed" grade if there are uncompensated absences from training sessions and the number of points for continuous assessment is less than the minimum required.

The current educational activity of the learner is evaluated on a 4-point scale.

17. LIST OF TASKS TO THE FINAL CONTROL

not provided

18. SCORE CALCULATION AND DISTRIBUTION SCHEME

Number of module number of study hours / number of credits ECTS	Number of content modules, their numbers	Number of practical classes	Conversion into point of the traditional scale				Mi ni mu m sc ore *	
			Traditional scale					
			«5»	«4»	«3»	«2»		
Module 1	1 №1	10	20	16	12	0		
							120	

The maximum number of points a PhD student can earn while studying the discipline is 200 points:

$$20 \cdot 10 = 200$$

The minimum number of points a PhD student must earn while studying the discipline is 120 points: $12 \cdot 10 = 120$

Conversion of course points into the ECTS scale:

Score on a 200-point scale	Score on a four-point scale
From 180 to 200 points	«5» (Excellent)
From 150 to 179 points	«4» (Good)
From 120 to 149 points	«3» (Satisfactory)
Less than 120 points	«2» (Fail)

PhD students studying in the same year and within the same specialty are ranked according to the ECTS scale based on the number of points earned in the discipline as follows:

ECTS Grade	Statistical Indicator
«A»	Top 10% of PhD students
«B»	Next 25% of PhD students
«C»	Next 30% of PhD students
«D»	Next 25% of PhD students
«E»	Last 10% of PhD students

Ranking with the assignment of grades "A", "B", "C", "D", "E" is conducted for PhD students who are studying in the same specialty and have successfully completed the course.

Grades "FX" and "F" ("2") are given to PhD students who have not passed at least one module of the discipline after completing its study.

A grade of "FX" is assigned to PhD students who earned the minimum number of points for continuous educational activity but did not pass the final credit. This category of PhD students has the right to retake the credit exam.

A grade of "F" is assigned to PhD students who attended all classroom sessions for the module but did not earn the minimum number of points for continuous educational activity. This category of PhD students has the right to re-study the module.

The **ECTS grade is NOT converted** into the traditional four-point scale, as the ECTS scale and the four-point scale are independent of each other.

19. RECOMMENDED LITERATURE

19.1 Basic

1. Інтелектуальна власність: підручник для студентів неюридичних факультетів / В.О. Семків, Р. С. Шандра. – Львів: Галицький друкар, 2015. – 280 с.
2. Інтелектуальна власність: Підручник / За ред. О. С. Яворської. — Тернопіль: Підручники і посібники, 2016. — 608 с.
3. Вірченко В. В. Інтелектуальна власність: теоретичні витоки та економічні імперативи розвитку: Монографія. — Київ: Ліра-К, 2018. — 488 с.
4. Інтелектуальна власність та авторське право: Візуалізований посібник / [уклад. Г.В. Климова]. — Київ: ДУІКТ, 2024. — 289 с.
5. Коваль І. Ф. Право інтелектуальної власності України: Навчальний посібник. — Київ: Юрінком Інтер, 2021.
6. Патентознавство та авторське право: Навчальний посібник / Укл. П.М. Цибульов та ін. — Київ: Інститут інтелектуальної власності, (новлені видання 2015-2020).
7. Закон України «Про авторське право і суміжні права» зі змінами від 13.12.2022 р. № 2849-IX. <https://zakon.rada.gov.ua/laws/show/2811-20#n855>
8. Закон України «Про охорону прав на винаходи і корисні моделі» зі змінами від 02.06.2020 р. 644-IX. <https://zakon.rada.gov.ua/laws/show/3687-12#Text>

19.2. Auxillary

1. ДСТУ 3575-97 «Патентні дослідження. Основні положення та порядок проведення», К: Введено у дію з 1 січня 1998 року, Держстандарт України, 16 с.
2. Конвенція про заснування Всесвітньої організації інтелектуальної власності (ВОІВ) від 14.07. 1967 р. https://zakon.rada.gov.ua/laws/show/995_169#Text
3. ДСТУ 3574-97 «Патентний формуляр. Основні положення. Порядок складання та оформлення», К: Введено у дію з 1 січня 1998 р., Держстандарт України, 24 с.
4. Енциклопедія інтелектуальної власності. За ред. проф. П. П. Крайнєва. К. : Старт-98. 2012. 660 с.
5. Цивільний кодекс України від 16.01.2003 р. 435-IV зі змінами. <http://zakon2.rada.gov.ua/laws/show/435-15>

19.3 Information resources

1. <https://zakon.rada.gov.ua/laws> - Офіційний веб-портал парламенту України
2. <https://mon.gov.ua/> - офіційний сайт Міністерства освіти і науки України
3. <https://ukrpatent.org/uk> - офіційний сайт Державного підприємства «Український інститут інтелектуальної власності» (Укрпатент)
4. <http://ndiiv.org.ua/index.php/ua/> - офіційний сайт Науково-дослідного інституту інтелектуальної власності національної академії правових наук України
5. <https://www.wipo.int/> - офіційний сайт World Intellectual Property Organization
6. <https://euipo.europa.eu/ohimportal/about-euipo> - офіційний сайт European Union Intellectual Property Office

20. COMPILERS OF THE STUDENT GUIDE (SYLLABUS)

Candidate of Physical and Mathematical Sciences, Assistant Professor at an Institution of Higher Education, Yevheniia MAKHROVA