

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
SUMY NATIONAL AGRICULTURAL UNIVERSITY**

Chair of Management

**APPROVED
Head of Management chair**



**(Mikhailov A.M.)
« 9 » June 2020 y.**

CURRICULUM WORK PROGRAM (SILABUS)

Registration of intellectual property rights

Specialty:

- 073 - "Management";
- 081 - "Law"
- 091 - "Biology";
- 101 - "Ecology"
- 133 - "Industrial Engineering";
- 201 - "Agronomy";
- 202 - "Protection and quarantine of plants";
- 204 - "Technology of production and processing of livestock products";
- 211 - "Veterinary Medicine";
- 212 - "Veterinary hygiene, sanitation and examination"
- 081 - "Law"

The third (educational and scientific) level is a doctor of philosophy

Faculty: Economics and Management

2020-2021 academic year

Work program in the discipline: *"Registration of intellectual property rights" for the preparation of doctors of philosophy in the specialties: 073 "Management"; 081 "Law"; 091 "Biology"; 101 "Ecology"; 133 "Industrial Engineering"; 201 "Agronomy"; 202 "Plant protection and quarantine"; 204 "Technology of production and processing of livestock products"; 211 "Veterinary Medicine"; 212 "Veterinary hygiene, sanitation and examination"*

Developer:
Ph.D., Associate Professor of Management



(Turchina S.G.)

The work program was approved at a meeting of the Department of Management
Protocol from "09" 06 2020 № 12

Head of the Department of Management



(A.M. Mikhailov)

Agreed:

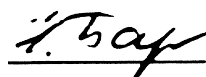
Head of the Department of Postgraduate and



(I.V. Lozynska)

Doctoral Studies

Methodist
Department of Education Quality,
Licensing and Accreditation



(Baranik N.M.)

Registered in the electronic database: July 29, 2020

SNAU, 2020
Turchina SG, 2020

1. Description of the discipline

The name of indicators	Industry knowledge, direction, training, education and qualification level	Characteristics of the discipline	
		full-time education	extramural studies
Number of credits - 3	Specialty: 073 - "Management"; 081 - "Law" 091 - "Biology"; 101 - "Ecology" 133 - "Industrial Engineering"; 201 - "Agronomy"; 202 - "Protection and quarantine of plants"; 204 - "Technology of production and processing of livestock products"; 211 - "Veterinary Medicine"; 212 - "Veterinary hygiene, sanitation and examination" 081 - "Law"	Required	
Modules - 2		Year of preparation:	
Content modules: 2		2020-2021	
		Course	
		1	
		Semester	
		2nd	
The total number of hours is 90		Lectures	
		16 h	
		Practical, seminar	
	14 h		
	Лабораторні		
	Independent work		
	54 h.		
	Individual tasks:6		
	Type of control: exam		
Weekly hours for full-time study: classroom - 3 independent work of the student - 4,5	Освітній ступінь: <i>доктор філософії</i>		

The ratio of the number of hours of classroom classes to independent and individual work is (%):

for full-time education - (40.0 / 60.0) (36/54)

2. The purpose and objectives of the discipline

2.1 The purpose of studying the discipline

The purpose of the discipline "Registration of intellectual property rights" is to deepen students' theoretical knowledge about the features of legal protection and acquisition of intellectual property rights for the results of intellectual activity and skills of registration of intellectual property rights.

2.2 Tasks of the discipline

The study of the discipline "Registration of intellectual property rights" involves the formation of applicants for higher education degree of Doctor of Philosophy of Competences

№	Type of program competencies	Program competence	Code
	General		
1		Ability to generate new ideas and make informed decisions to achieve goals	GC5.
2		Ability to develop and manage research projects, initiate research organizations in the field of research and innovation, assess the need for research funding, register intellectual property rights	GC6.
4		Ability to comply with the rules of scientific ethics, copyright and related intellectual property rights.	GC10.
	Professional (special)		
1		Ability to identify, evaluate and commercialize intellectual property	PC5

2.3 Program Learning Outcomes

As a result of studying the discipline "Registration of intellectual property rights", the graduate student must be able to demonstrate the following learning outcomes:

№	Program learning outcomes	Code
1	Be able to do: description of the invention, (utility model, industrial design; have the skills to formulate an invention (utility model), applications for state registration of industrial property, registration of an innovation proposal. To be able to put into action the mechanism of realization in practice of the constitutional human right to results of its creative activity	PLO1
1	Understand the features of the structure and be able to prepare scientific papers (monographs, scientific articles, abstracts, etc.), guided by the principles of academic integrity	PLO16

3. The program of the discipline

Approved by the Academic Council of SNAU

Protocol № 6 dated 15.06.20

Content module 1. Prerequisites and procedure for acquiring rights to various categories of intellectual property

Topic 1. Acquisition and registration of rights to inventions and utility models under the Law of Ukraine "On protection of rights to inventions and utility models"

Objects of invention according to the Law of Ukraine "On protection of rights to inventions and utility models". Objects that cannot be recognized as inventions (utility models). Inventive and exploratory work during the creation of the invention. Legal and organizational bases of patenting an invention. The procedure for compiling and submitting an application for an invention and an application for a utility model. Features of the description of the invention. The structure of the claims. Rules for consideration of applications for inventions and applications for utility models. Formal examination of the application and examination of the application on the merits. Decision on the results of the application. Registration and issuance of a patent. The procedure for registration of rights to inventions, utility models, and industrial designs that constitute a state secret, and their use.

Topic 2. Acquisition and registration of rights to industrial designs under the Law of Ukraine "On protection of rights to industrial designs"

Objects of industrial design according to the Law of Ukraine "On protection of rights to industrial designs". Conditions for granting legal protection to an industrial design. Rules for drawing up and submitting an application for an industrial design. Features of compiling a description of an industrial design depending on its type. Requirements for industrial design images. Objects, composition, essence and essential features of an industrial design. Rules for consideration of an application for an industrial design.

Topic 3. Acquisition and registration of rights to marks for goods and services under the Law of Ukraine "On protection of rights to marks for goods and services"

Law of Ukraine "On protection of rights to marks for goods and services". Types of commercial designations as objects of intellectual property rights. Conditions for granting legal protection of a mark for goods and services. Grounds for refusal of legal protection. The scope of protection of the mark for goods and services (trademark). Nice Agreement Concerning the International Classification of Goods and Services. Rules for drawing up, submitting and considering an application for the issuance of a certificate of Ukraine for a mark. Vienna Agreement Establishing the International Classification of the Figurative Elements of Marks.

Topic 4. Acquisition and registration of rights to indicate the origin of goods under the Law of Ukraine "On protection of rights to indicate the origin of goods"

PROTECTION OF RIGHTS TO COMMERCIAL INDICATIONS ON THE INTERNET

The structure of the Law of Ukraine "On protection of rights to indicate the origin of goods". Conditions for granting legal protection to the indication of origin of goods. Rules for drawing up, submitting and conducting an examination of the application for registration of a qualified indication of origin of goods and / or the right to use a registered qualified indication of origin of goods. A simple indication of the origin of the goods. Qualified indication of origin of goods. Regulations on the List of specific names of goods. Payment of fees for actions related to the acquisition of rights to indicate the origin of goods.

Content module 2. Procedure for registration of copyrights and acquisition of rights to non-traditional objects of intellectual property rights.

*Patent search***Topic 5. Registration of copyright and related rights protection of copyright and related rights in the digital environment.**

Objects of copyright under the Law of Ukraine "On Copyright and Related Rights". Origin and realization of copyright. Presumption of authorship. State registration of copyright and related rights (documentation and registration procedure). Types of registrations (registration of copyright to a work, registration of copyright of an employer to an official work). Rights and obligations of applicants. Terms of loss of restrictions on the use of copyright and related rights. Cases of restriction of property copyrights. International copyright conventions. The essence and features of related law. Subjects and objects of related rights. Payment of fees in accordance with the resolution of the Cabinet of Ministers of Ukraine of December 27, 2001 № 1756 (as amended). Consideration of the application, issuance of certificates and decisions.

Topic 6. Acquisition of rights to IC topography under the Law of Ukraine "On protection of rights to topography of integrated circuits"

Conditions for granting legal protection to IC topography according to the Law of Ukraine "On protection of rights to topography of integrated circuits". The right to register the IC topography. Instruction on the procedure for submission, consideration, publication and entry in the register of information on the transfer of ownership of the topography of the integrated circuit and the issuance of a license to use the topography of the integrated circuit. The composition of the application documents for registration of IC topography. Regulations on the State Register of Ukraine of integrated circuit topographies. Payment of fees for actions related to the acquisition of rights to the IC topography.

Topic 7. Registration of plant variety rights under the Law of Ukraine "On protection of plant variety rights"

Conditions for acquiring plant variety rights. Rules for filing an application for registration of a certain variety of plant variety as a typical object of intellectual property rights. The composition of the application documents for registration of a certain variety of plant variety as a typical object of intellectual property rights. Requirements for their content and design. Rules for qualifying examination of plant varieties. The essence of the formal examination of applications for registration of a particular variety of plant variety as a typical object of intellectual property rights. The essence of the qualification examination for applications for registration of a certain variety of plant variety as a typical object of intellectual property rights. Procedure for payment of fees for actions related to the protection of plant variety rights as objects of intellectual property rights.

Topic 8. Patent documentation, search for patent information

Patent documentation: types of patent documentation (description of diplomas for opening, preliminary description of applications for inventions, official information on issued patents for inventions, description of inventions for patents, description (drawings) for utility model patents, industrial designs, description of certificates for trademarks Classification systems of inventions Principles of classification of inventions: industry principle (German classification), identity of functions performed

(USA) Search for patent documentation Types of patent search (thematic (subject), nominal, search by document number) Search systems.

Topic 9. The main provisions of patent law of foreign countries

Legal protection of inventions of foreign countries (criteria of patentability of inventions of France, Italy, Great Britain, Japan, Germany, the USA, Sweden). Validity of a patent for an invention of foreign countries. Protection of industrial designs (Italy, Japan, USA, Great Britain, Germany. Legal regulation of trademarks (functions of trademarks in foreign countries; requirements for trademarks in other countries of the world; types of trademarks in foreign countries)

4. The structure of the discipline

Name of content modules and topics	Number of hours					
	total	also				
		Lectures	PC	Labs	IW	Ind
1	2	3	4	5	6	7
Module 1: Theoretical Foundations of Intellectual Property						
Content module 1 Content module 1. Prerequisites and procedure for acquiring rights to various categories of intellectual property						
Topic 1. Acquisition and registration of rights to inventions and utility models under the Law of Ukraine "On protection of rights to inventions and utility models"	10	2	2		6	
Topic 2. Acquisition and registration of rights to industrial designs under the Law of Ukraine "On protection of industrial design rights"	10	2	2		6	
Topic 3. Acquisition and registration of rights to marks for goods and services under the Law of Ukraine "On protection of rights to marks for goods and services"	10	2	2		6	
Topic 4. Acquisition and registration of rights to indicate the origin of goods under the Law of Ukraine "On protection of rights to indicate the origin of goods"	10	2	2		6	
Topic 5. Registration of copyright and related rights	10	2	2		6	
Total hours for module 1	50	10	10		30	
Module 2: Acquisition of Rights to Intellectual Property Objects and Intellectual Property						
Content module 2 Procedure for registration of copyrights and acquisition of rights to non-traditional objects of intellectual property rights. Patent search						
Topic 6. Acquisition of rights to IC topography under the Law of Ukraine "On protection of rights to topography of integrated circuits"	10	2	2		6	

Topic 7. Registration of plant variety rights under the Law of Ukraine "On protection of plant variety rights"	10	2	2		6	
Topic 8. Patent documentation, search for patent information	10		2		6	
Topic 9. The main provisions of patent law of foreign countries	6				6	
Together on the content module 2	40	4	6		24	6
Total hours	90	14	16		54	6

5. Topics and plans of lectures

№	Topic	hours
1	<p>Topic 1. Acquisition and registration of rights to inventions and utility models under the Law of Ukraine "On protection of rights to inventions and utility models"</p> <p>1. Objects of invention according to the Law of Ukraine "On protection of rights to inventions and utility models".</p> <p>2. Inventive and exploratory work during the creation of the invention.</p> <p>3. Legal and organizational basis for patenting the invention.</p> <p>4. Registration and issuance of a patent.</p>	2
2	<p>Topic 2. Acquisition and registration of rights to industrial designs under the Law of Ukraine "On protection of rights to industrial designs"</p> <p>1. Objects of industrial design according to the Law of Ukraine "On protection of rights to industrial designs".</p> <p>2. Conditions for granting legal protection to an industrial design.</p> <p>3. Rules for drawing up and submitting an application for an industrial design.</p> <p>4. Rules for consideration of the application for an industrial design.</p>	2
3	<p>Topic 3. Acquisition and registration of rights to marks for goods and services under the Law of Ukraine "On protection of rights to marks for goods and services"</p> <p>1. Law of Ukraine "On protection of rights to marks for goods and services".</p> <p>2. Types of commercial designations as objects of intellectual property rights.</p> <p>3. Conditions for granting legal protection of a mark for goods and services.</p>	2
4	<p>Topic 4. Acquisition and registration of rights to indicate the origin of goods under the Law of Ukraine "On protection of rights to indicate the origin of goods"</p> <p>1. The structure of the Law of Ukraine "On protection of rights to indicate the origin of goods".</p> <p>2. Conditions for granting legal protection to the indication of origin of goods.</p> <p>3. Rules for drawing up, submitting and conducting an examination of the application for registration of a qualified indication of origin of goods and / or the right to use a registered qualified indication of origin of goods.</p>	2

5	Topic 5. Registration of copyright and related rights 1. Objects of copyright under the Law of Ukraine "On Copyright and Related Rights". 2. State registration of copyright and related rights. 3. Types of copyright registrations. 4. The essence and features of related law.	2
6	Topic 6. Acquisition of rights to IC topography under the Law of Ukraine "On protection of rights to topography of integrated circuits" 1. Conditions for granting legal protection to IC topography according to the Law of Ukraine "On protection of rights to topography of integrated circuits". 2. The right to register the IC topography. 3. Regulations on the State Register of Ukraine of topographies of integrated circuits. Payment of fees for actions related to the acquisition of rights to the IC topography.	2
7	Topic 7. Registration of plant variety rights under the Law of Ukraine "On protection of plant variety rights" 1. Conditions for acquiring plant variety rights. 2. Rules for filing an application for registration of a certain variety of plant variety as a typical object of intellectual property rights. 3. Rules of qualification examination of plant varieties. 4. The procedure for payment of fees for actions related to the protection of plant variety rights as objects of intellectual property rights.	2
Total		14

6. Topics workshops

№	Topic	hours
1	Topic 1. Acquisition and registration of rights to inventions and utility models under the Law of Ukraine "On protection of rights to inventions and utility models"	2
2	Topic 2. Acquisition and registration of rights to industrial designs under the Law of Ukraine "On protection of rights to industrial designs"	2
3	Topic 3. Acquisition and registration of rights to marks for goods and services under the Law of Ukraine "On protection of rights to marks for goods and services"	2
4	Topic 4. Acquisition and registration of rights to indicate the origin of goods under the Law of Ukraine "On protection of rights to indicate the origin of goods"	2
5	Topic 5. Registration of copyright and related rights	2
6	Topic 6. Acquisition of rights to IC topography under the Law of Ukraine "On protection of rights to topography of integrated circuits"	2
7	Topic 7. Registration of plant variety rights under the Law of Ukraine "On protection of plant variety rights"	2
8	Topic 8. Patent documentation, search for patent information	2
Total		16

7. Individual work

№ з/п	Topic	Amount hours
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1	<p>Topic 1. Acquisition and registration of rights to inventions and utility models under the Law of Ukraine "On protection of rights to inventions and utility models"</p> <ol style="list-style-type: none"> 1. The procedure for compiling and submitting an application for an invention and an application for a utility model. 2. Features of the description of the invention. The structure of the claims. 3. Rules for consideration of applications for inventions and applications for utility models. 4. Formal examination of the application and examination of the application on the merits. 5. Decision on the results of the application. 6. The procedure for registration of rights to inventions, utility models, and industrial designs that constitute a state secret, and their use. 	6
2	<p>Topic 2. Acquisition and registration of rights to industrial designs under the Law of Ukraine "On protection of rights to industrial designs"</p> <ol style="list-style-type: none"> 1. Features of compiling a description of an industrial design depending on its type. 2. The requirement of uniformity of the industrial design. 3. Requirements for industrial design images. 4. Objects, composition, essence and essential features of an industrial design. 	6
3	<p>Topic 3. Acquisition and registration of rights to marks for goods and services under the Law of Ukraine "On protection of rights to marks for goods and services"</p> <ol style="list-style-type: none"> 1. Grounds for refusal to provide legal protection. 2. The scope of protection of the mark for goods and services (trademark). 3. Nice Agreement Concerning the International Classification of Goods and Services. 4. Rules for drawing up, submitting and considering an application for the issuance of a certificate of Ukraine for a mark. 5. Vienna Agreement Establishing the International Classification of the Figurative Elements of Marks. 	6
4	<p>Topic 4. Acquisition and registration of rights to indicate the origin of goods under the Law of Ukraine "On protection of rights to indicate the origin of goods"</p> <ol style="list-style-type: none"> 1. A simple indication of the origin of goods. 2. Qualified indication of origin of goods. 3. Regulations on the List of specific names of goods. 4. Payment of fees for actions related to the acquisition of rights to indicate the origin of goods. 	6
5	<p>Topic 5. Registration of copyright and related rights</p> <ol style="list-style-type: none"> 1. Rights and obligations of applicants. 2. Terms of loss of restrictions on the use of copyright and related rights. 3. International copyright conventions. 4. Subjects and objects of related rights. 	6
6	<p>Topic 6. Acquisition of rights to IC topography under the Law of Ukraine "On protection of rights to topography of integrated circuits"</p> <ol style="list-style-type: none"> 1. Instruction on the procedure for submission, consideration, publication and entry in the register of information on the transfer of ownership of the topography of the integrated circuit 2. The procedure for issuing a license to use the topography of an integrated circuit. 3. Preparation of application documents for registration of IC topography. 	6

7	Topic 7. Registration of plant variety rights under the Law of Ukraine "On protection of plant variety rights" 1. The essence of the formal examination of applications for registration of a particular variety of plant variety as a typical object of intellectual property rights. 2. The essence of the qualification examination of applications for registration of a certain variety of plant variety as a typical object of intellectual property rights.	6
8	Topic 8. Patent documentation, search for patent information 1. Patent documentation, its types 2. Systems and principles of classification of inventions 3. Search for patent documentation 4. Types of patent search. 5. Search engines.	6
9.	Topic 9. The main provisions of patent law of foreign countries 1. Legal protection of inventions of foreign countries 2. Legal regulation of trademarks in foreign countries 3. Validity of a patent for an invention of foreign countries. 4. Protection of industrial designs (Italy, Japan, USA, Great Britain, Germany).	6
	Together	54

8. Individual tasks

1. Performing a creative individual task

The object of an individual creative task is a specific object of intellectual property:

- 1) a mark for goods and services, which is developed personally by the applicant;
- 2) an application for registration of an invention, utility model or industrial design;
- 3) carrying out a patent search;
- 4) execution of the copyright agreement;
- 5) concluding agreements on the transfer of property rights.

2. Solving problems according to the option.

9. Teaching methods

1 Methods of teaching by source of knowledge:

1.1 Verbal: story, explanation, conversation (heuristic and reproductive), lecture, instruction, work with a book (reading, translation, writing, drawing up a plan, reviewing, taking notes, making tables, graphs, reference notes, etc.).

1.2 Visual: demonstration, illustration, observation.

1.3 Practical: laboratory method, practical work, exercise, production and practical methods.

2 Teaching methods by the nature of the logic of cognition:

2.1 Analytical (essence: the breakdown of the whole into parts in order to study their essential features).

2.2 Synthesis (essence: the connection of the selected elements or properties of the object, the phenomenon into one whole).

2.3 Inductive (essence: the study of objects or phenomena from single to general).

2.4 Deductive (essence: the study of objects or phenomena from general to individual).

2.5 Traditional (essence: conclusions from general to general, from partial to partial, from singular to singular).

3 Teaching methods by the nature and level of independent mental activity of students:

3.1 Problem (software and information)

3.2 Partial search (heuristic)

3.3 Research

3.4 Reproductive (essence: the possibility of applying the studied practice)

3.5 Explanatory and demonstrative

4. *Active teaching methods* - brainstorming, crossword puzzles, competitions, debates, round tables, business games, trainings, use of problem situations, excursions, group research, self-assessment of knowledge, simulation teaching methods, use of educational and control tests, use of reference lecture notes .

5. *Interactive learning technologies* - the use of multimedia technologies, spreadsheets, case-study, dialogue learning, student cooperation (cooperation). use of multimedia technologies, spreadsheets, case-study, dialogue learning, student cooperation (cooperation), kahoot.

6. *Personalized learning "Roundtable"* (Collective game to solve a common problem). Scientific debate (Educational debate-dialogue, in which graduate students - representatives of different fields, defend their opinion, the opposite of others). "Brainstorm" Judicial sitting (A game with the distribution of roles and the search for constructive answers). Training (a form of learning using different forms of work with a small group to improve skills in the process of modeling situations that are close to reality), Debriefing (Analysis and discussion of previous work; structuring the experience; Six Thinking Hats by Edward de Bono) (systematization of thinking), kahoot.

10. Methods of control

1. Rating control of a 100-point scale assessment ECTS.

2. An intermediate control during the semester (interim certification).

3. Criteria assess of the current work of students:

- the level of knowledge demonstrated in practical classes;
- active in the discussion of issues brought to the class;
- quick control during classes;
- self-study topics in general or specific issues;
- perform analytical calculation tasks;
- writing essays;
- test results;
- writing assignments during the tests;
- production situations, cases and more.

4. Direct consideration in the final assessment of student performance of certain individual tasks:

- educational and practical study of the presentation of results and more.

11. Points for Credit

. Distribution points that get students In the form of control "exam"

Routine testing and independent work									However, for modules and inw.work	Atestation	results tion test - exam	The mixture ma
Module 1 - 20 points				module 2 - 20 points				ind				
T1	T2	T3	T4	T5	T6	T7	T8	15	55 (40 + 15)	15	30	100

9. Points for Credit national and ECTS

Total points	ECTS	National rating	
		Exams, term paper, practice	credit
90 – 100	A	Excellent	passing
82-89	B	Good	
75-81	C		
69-74	D		
60-68	E		
35-59	FX	Unsatisfactory	Not passing, but can have second attempt
1-34	F	Poor	Not passing, need add training

Methodological supplementation

1. Stoyanets N. «Intellectual Property» Educational methodological complex for students of 2-nd year full-time specialties 071 «Accounting and taxation», 051 «Economy» 073 «Management», on an educational Master's degree. Sumy. 2019 y.
2. Educational and methodical materials on the platform Moodle <https://cdn.snau.edu.ua/moodle/course/view.php?id=3873>

Suggested reading

3. Intellectual Property: A Very Short Introduction (Very Short Introductions) 2nd ed. Edition by Siva Vaidhyanathan 2017. 540p.
4. Stephen M. McJohn. Examples & Explanations: Intellectual Property. 2015. 240p.
5. Deborah E. Bouchoux Intellectual Property: The Law of Trademarks, Copyrights, Patents, and Trade Secrets *MindTap Course List*. 2017 340p.
6. Ulrich Lichtenthaler, "External Commercialization of Knowledge: Review and Research Agenda," *International Journal of Management Reviews* 7, no. 4 2015. 255p.
7. Lise Aaboen and Marcus Holgersson, "Technology Transfer Offices, Incubators, and Intellectual Property Management," in *Academy of Management Conference Anaheim, USA*. 2016. 240p.
8. Ove Granstrand, *The Economics and Management of Intellectual Property: Towards Intellectual Capitalism*. Cheltenham: Edward Elgar Publishing, 2014. 360p.
9. Peter S. Menell and Mark A. Lemley. *Intellectual Property in the New Technological Age Vol. I Perspectives, Trade Secrets and Patents* 2017. 440p.
10. Stephen Johnson. *Guide to Intellectual Property: What it is, how to protect it, how to exploit it* *Economist Books*. 2015 250p.
11. <https://www.questia.com/library/law/areas-of-law/intellectual-property>

Electronic textbooks for course

12. Overview of Intellectual Property Laws <https://fairuse.stanford.edu/overview/introduction/intellectual-property-laws/>
13. What are intellectual property rights? https://www.wto.org/english/tratop_e/trips_e/intell_e.htm

14. Holgersson, Marcus and van Santen, Sarah, The Business of Intellectual Property: A Literature Review of IP Management Research (June 26, 2018). Stockholm Intellectual Property Law Review, Vol. 1, No. 1, pp. 44-63, Available at SSRN: <https://ssrn.com/abstract=3202847>

15. Jakob Edler, Hugh Cameron and Mohammad Hajhashem. The intersection of intellectual property rights and innovation policy making. https://www.wipo.int/edocs/pubdocs/en/wipo_report_ip_inn.pdf