



SCHOOL OF BUSINESS
AND MANAGEMENT OF
TECHNOLOGY OF BSU



Innovative ICT Education for Social-Economic Development (IESED)
574283-EPP-1-2016-1-LT-EPPKA2-CBHE-JP

LAW IN IT-SPHERE

Minsk 2018

1. COURSE PLAN

Year of study	Semester	Academic hours					Hours of course work	ECTS	Number of hours
		Total	Lectures	Lab	Practice/ seminar	Independent work			
3	5	82	32	12	20	18	-	3	Full-time
3	5	82	8	4	8	62	-	3	Part-time

2. COMPETENCIES

1. To be able to apply basic scientific and theoretical knowledge to solve practical problem
2. To be able to work independently and in a team
3. To be able to generate new ideas focusing on creativity, critical thinking, communication and collaboration

3. COURSE GOAL

To provide students with the theoretical foundations of law in the field of information technology (IT) for further application of theoretical knowledge of law in the IT environment in the creation, exploiting and promotion of IT-products.

4. COURSE OUTCOMES

After completing this course student will be able to:

- demonstrate research skills (apply online jurisdiction rules);
- contrast the arguments and criticize independently (examine relevant sections of regulatory law, participate and contribute to class discussion, study relevant cases, reports and articles from the journals, have creativity to write essay);
- organize and apply the legal process of contracts (how legally-enforceable contracts are made online, production and sales of a software product);
- appraise and inspect the issues of cyber-crime and privacy protections;
- have high civic consciousness and patriotism, be aware of citizen's rights, and comply with citizen's duties.

5. COURSE CONTENT (FULL TIME)

№	Name of the topic	Number of academic hours					Form of student's knowledge control
		TOTAL	Lectures	Practical tasks	Labs	Independent work	
1	2		3	4	5	6	7
1	<p>Government regulation of information technologies. National and international principles that are involved in regulating and directing the development of Cyberspace. State regulatory authorities controlling the IT-activities, state support of international scientific and technical cooperation.</p>	8	4	4*	-	2*/practic. can be performed independently by the student	Writing tasks on MOODLE system. Test. Independent work (essay).

2	Legal regulation of IT- business. Forms of IT-business organization and their legal regulation. Individual and corporate business: the nature and main features. Forms of international IT-business.	12	4	4	4*	2*/labs. can be performed independently by the student	Writing tasks on MOODLE system. Test. Independent work (essay).
3	IT- business protection. Types and characteristics of intellectual property. Copyright protection for computer software, textual and graphical information on Internet. Patents for novel software, computer hardware. Trademark for logos of various products. The transmission of copyrighted materials over the Internet.	16	6	6*	4	2*/practic. can be performed independently by the student	Writing tasks on MOODLE system. Test. Case Presentations. Independent work (essay).
4	Commercial secret. Confidential information. The notion of "commercial secret", "confidential information". Attributes of a commercial secret of the enterprise. Responsibility of confidential documentary information protection. Confidential IT information.	14	6	4*	4*	2/2*/practic./ Labs can be performed independently by the student	Writing tasks on MOODLE system. Test. Case Presentations. Independent work (essay).
5	Contract Law in IT- sphere. The concept of "contract". Classification and characteristics of the contracts: software license agreements; business transactions in cyberspace, so-called "e-commerce"; contracts for data processing services; contracts for development of custom software or hardware.	16	6	6*	4*	2/2*/practic./ Labs can be performed independently by the student	Writing tasks on MOODLE system. Test. Case Presentations. Independent work (essay).
6	Tort Law and Computer Crime Defamation, trade disparagement, unfair competition law, privacy issues in databases, liability for errors or harmful information in content of databases, unauthorized use of services denial of service (DoS) attacks on web sites, etc. Computer Crime: fraud, malicious computer programs (e.g., computer virus, worm), pedophiles attracting victims on the Internet, obscenity (commonly called "pornography"), harassment by e-mail, etc.	16	6	6*	4*	2/2*/practic./ Labs can be performed independently by the student	Writing tasks on MOODLE system. Test. Case Presentations. Independent work (essay).
	Total	82	32	30	20	18	Exam

6. COURSE CONTENT (PART TIME)

№	Name of the topic	Number of academic hours					Form of student's knowledge control
		TOTAL	Lectures	Practical tasks	Labs	Independent work	
1	2		3	4	5	6	7
1	Government regulation of information technologies. National and international principles that are involved in regulating and directing the development of Cyberspace. State regulatory authorities controlling the IT-activities, state support of international scientific and technical cooperation.	12	1	1	-	10	Writing tasks on MOODLE system. Test. Independent work (essay).
2	Legal regulation of IT- business. Forms of IT-business organization and their legal regulation. Individual and corporate business: the	14	1	1	2	10	Writing tasks on MOODLE system.

	nature and main features. Forms of international IT-business.						Test. Independent work (essay).
3	IT- business protection. Types and characteristics of intellectual property. Copyright protection for computer software, textual and graphical information on Internet. Patents for novel software, computer hardware. Trademark for logos of various products. The transmission of copyrighted materials over the Internet.	14	2	2	-	10	Writing tasks on MOODLE system. Test. Case Presentations. Independent work (essay).
4	Commercial secret. Confidential information. The notion of "commercial secret", "confidential information". Attributes of a commercial secret of the enterprise. Responsibility of confidential documentary information protection. Confidential IT information.	14	2	2	-	10	Writing tasks on MOODLE system. Test. Case Presentations. Independent work (essay).
5	Contract Law in IT- sphere. The concept of "contract". Classification and characteristics of the contracts: software license agreements; business transactions in cyberspace, so-called "e-commerce"; contracts for data processing services; contracts for development of custom software or hardware.	16	2	2	2	10	Writing tasks on MOODLE system. Test. Case Presentations. Independent work (essay).
6	Tort Law and Computer Crime Defamation, trade disparagement, unfair competition law, privacy issues in databases, liability for errors or harmful information in content of databases, unauthorized use of services denial of service (DoS) attacks on web sites, etc. Computer Crime: fraud, malicious computer programs (e.g., computer virus, worm), pedophiles attracting victims on the Internet, obscenity (commonly called "pornography"), harassment by e-mail, etc.	16	2	2	-	12	Writing tasks on MOODLE system. Test. Case Presentations. Independent work (essay).
	Total	82	8	8	4	62	Exam

7. THEORETICAL CONTENT

№	Names of topics	Content
1	Government regulation of information technologies	National and international principles that are involved in regulating and directing the development of Cyberspace. State regulatory authorities controlling the IT- activities, state support of international scientific and technical cooperation.
2	Legal regulation of IT- business	Forms of IT-business organization and their legal regulation. Individual and corporate business: the nature and main features. Forms of international IT-business.
3	IT- business protection	Types and characteristics of intellectual property. Copyright protection for computer software, textual and graphical information on Internet. Patents for novel software, computer hardware. Trademark for logos of various products. The transmission of copyrighted materials over the Internet.
4	Commercial secret. Confidential information	The notion of "commercial secret", "confidential information". Attributes of a commercial secret of the enterprise. Responsibility of confidential documentary information protection. Confidential IT information.
5	Contract Law in IT- sphere	The concept of "contract". Classification and characteristics of the contracts: software license agreements; business transactions in cyberspace, so-called "e-commerce"; contracts for data processing services; contracts for development of custom

		software or hardware.
6	Tort Law and Computer Crime	Defamation, trade disparagement, unfair competition law, privacy issues in databases, liability for errors or harmful information in content of databases, unauthorized use of services denial of service (DoS) attacks on web sites, etc. Computer Crime: fraud, malicious computer programs (e.g., computer virus, worm), pedophiles attracting victims on the Internet, obscenity (commonly called "pornography"), harassment by e-mail, etc.

8. PRACTICAL CONTENT

№	Name of the practical assignment	Content
1	Government regulation of information technologies	1. National principles that are involved in regulating and directing the development of Cyberspace. 2. International principles that are involved in regulating and directing the development of Cyberspace. 3. State regulatory authorities controlling the IT- activities. 4. State support of international scientific and technical cooperation.
2	Legal regulation of IT- business	1. Forms of IT-business organization and their legal regulation. 2. Individual and corporate business: the nature and main features. 3. Forms of IT-international business.
3	IT- business protection	1. Types and characteristics of intellectual property. 2. Copyright protection for computer software, textual and graphical information on Internet. 3. Patents for novel software, computer hardware. 4. Trademark for logos of various products. 5. The transmission of copyrighted materials over the Internet.
4	Commercial secret. Confidential information	1. The notion of "commercial secret", "confidential information". 2. Attributes of a commercial secret of the enterprise. 3. Responsibility of confidential documentary information protection. 4. Confidential IT information.
5	Contract Law in IT- sphere	1. The concept of "contract". 2. Classification and characteristics of the contracts. 3. Software license agreements. 4. Business transactions in cyberspace, so-called "e-commerce". 5. Contracts for data processing services. 6. Contracts for development of custom software or hardware.
6	Tort Law and Computer Crime	1. Defamation. 2. Trade disparagement. 3. Unfair competition law. 4. Privacy issues in databases. 5. Liability for errors or harmful information in content of databases. 6. Unauthorized use of services denial of service (DoS) attacks on web sites, etc. 7. Computer Crime: fraud, malicious computer programs (e.g., computer virus, worm), pedophiles attracting victims on the Internet, obscenity (commonly called "pornography"), harassment by e-mail, etc.

9. LABORATORY PRACTICE

№	Name of practical assignment	Content
2	Legal regulation of IT- business	Make a list of normative legal acts by legal force with the help of a program «ConsultantPlus», establishes the legal regulation

		of IT- business.
3	IT- business protection	Choose one of the types of intellectual property and give legal description (characteristics), «ConsultantPlus».
4	Commercial secret. Confidential information	To delineate the concept of "commercial secret" and "confidential information" (legal examples), by using «ConsultantPlus».
5	Contract Law in IT- sphere	Classify and characterize the contracts: software license agreements; business transactions in cyberspace, so-called "e-commerce"; contracts for data processing services; contracts for development of custom software or hardware. Make a legally-enforceable contract online.
6	Tort Law and Computer Crime	Find and present to the public the international case of any computer crime (fraud, malicious computer programs (e.g., computer virus, worm), pedophiles attracting victims on the Internet, obscenity (commonly called "pornography"), harassment by e-mail, etc).

10. ASSIGNMENT FOR INDEPENDENT WORK

ESSAY* (the number of printed characters – 1000) according to the materials of seminars on topics 1-6 of the course:

1. Security of information
2. Software patenting
3. Digital signature
4. Regulation of cyber space
5. E-commerce
6. Online contracts
7. Copyright in Internet
8. Trademarks in Internet
9. E-taxation
10. E-governance
11. Cyber crimes
12. International legal regime relating to Cyber Crimes
13. European Convention on Cyber Crimes
14. Hague Convention on Jurisdiction and Foreign Judgments: Jurisdiction Agreement
15. International legal regime relating to E-Commerce
16. UNCITRAL Model Law on Electronics Commerce 1996
17. International legal regime relating to Intellectual Property Rights in internet
18. Cyber terrorism
19. Issues relating to Jurisdiction

***The student himself can propose a topic and coordinate it with the tutor.**

11. SYSTEM OF ASSESSMENT OF KNOWLEDGE AND SKILLS (ACCORDING TO THE NATIONAL REQUIREMENTS)

A ten-point scale, depending on the grade and the mark, includes the following criteria:

10 (ten) points, passed:

- systematized, deep and full knowledge on all sections of the curriculum of the institution of higher education in the academic discipline, as well as on major issues that go beyond its limits;

- accurate use of scientific terminology (including in a foreign language), competent, logically correct statement of the answer to questions;

- perfect mastering of the tools of the academic discipline, the ability to use it effectively in formulation and solution of scientific and professional problems;
- the expressed ability independently and creatively to solve complex problems in non-standard situations;
- complete and profound studying of basic, additional literature on the subject of the discipline;
- the ability to freely navigate in theories, concepts and directions on the discipline and give them an analytical assessment, use the scientific achievements of other disciplines;
- creative independent work on practical, laboratory classes, active creative participation in group discussions, high level of the culture of performance of tasks.

9 (nine) points, passed:

- systematized, deep and full knowledge on all sections of the curriculum of the institution of higher education on the academic discipline;
- accurate use of scientific terminology (including in a foreign language), competent, logically correct statement of the answer to questions;
- mastering of the tools of the academic discipline, the ability to use it effectively in formulation and solution of scientific and professional problems;
- ability independently and creatively to solve complex problems in non-standard situations within the curriculum of the institution of higher education on the academic discipline;
- complete studying of basic, additional literature on the subject of the discipline, recommended by the curriculum of the institution of higher education on the discipline;
- the ability to navigate in theories, concepts and directions on the discipline and give them an analytical assessment;
- Systematic, active independent work on practical, laboratory classes, active creative participation in group discussions, high level of the culture of performance of tasks.

8 (eight) points, passed:

- systematized, deep and full knowledge on all sections of the curriculum of the institution of higher education in the academic discipline in the volume of the curriculum of the institution of higher education on the discipline;
- use of scientific terminology (including in a foreign language), competent, logically correct statement of the answer to questions, the ability to make sound conclusions and generalizations;
- mastering of the tools of the academic discipline (methods of complex analysis, information technology), the ability to use it effectively in formulation and solution of scientific and professional problems;
- ability independently to solve complex problems within the curriculum of the institution of higher education on the academic discipline;
- studying of basic, additional literature, recommended by the curriculum of the institution of higher education on the discipline;
- the ability to navigate in theories, concepts and directions on the discipline and give them an analytical assessment;
- active independent work on practical, laboratory classes, systematic participation in group discussions, high level of the culture of performance of tasks.

7 (seven) points, passed:

- systematized, deep and full knowledge on all sections of the curriculum of the institution of higher education on the academic discipline;
- use of scientific terminology (including in a foreign language), competent, logically correct statement of the answer to questions, the ability to make sound conclusions and generalizations;
- mastering of the tools of the academic discipline, the ability to use it effectively in formulation and solution of scientific and professional problems;

- free possession of generic solutions within the curriculum of the institution of higher education on the academic discipline;
- studying of basic, additional literature, recommended by the curriculum of the institution of higher education on the discipline;
- the ability to navigate in basic theories, concepts and directions on the discipline and give them an analytical assessment;
- independent work on practical, laboratory classes, participation in group discussions, high level of the culture of performance of tasks.

6 (six) points, passed:

- sufficiently full and systematized knowledge in the volume of the curriculum of the institution of higher education on the discipline;
- use of the necessary scientific terminology, competent, logically correct statement of the answer to questions, the ability to make sound conclusions and generalizations;
- mastering of the tools of the academic discipline, the ability to use it effectively in solution of scientific and professional problems;
- ability independently to apply generic solutions within the curriculum of the institution of higher education on the academic discipline;
- studying of basic literature, recommended by the curriculum of the institution of higher education on the discipline;
- the ability to navigate in basic theories, concepts and directions on the discipline and give them a comparative assessment;
- active independent work on practical, laboratory classes, periodic participation in group discussions, high level of the culture of performance of tasks.

5 (five) points, passed:

- sufficient knowledge in the volume of the curriculum of the institution of higher education on the discipline;
- use of scientific terminology, competent, logically correct statement of the answer to questions, the ability to make sound conclusions;
- mastering of the tools of the academic discipline, the ability to use it in solution of scientific and professional problems;
- ability independently to apply generic solutions within the curriculum of the institution of higher education on the academic discipline;
- studying of basic literature, recommended by the curriculum of the institution of higher education on the discipline;
- the ability to navigate in basic theories, concepts and directions on the discipline and give them a comparative assessment;
- active independent work on practical, laboratory classes, periodic participation in group discussions, high level of the culture of performance of tasks;
- independent work on practical, laboratory classes, periodic participation in group discussions, sufficient level of the culture of performance of tasks.

4 (four) points, passed:

- sufficient knowledge within the educational standard of higher education;
- studying of basic literature, recommended by the curriculum of the institution of higher education on the discipline;
- use of scientific terminology, logical statement of the answer to questions, the ability to make sound conclusions;
- ability to draw conclusions without essential errors;
- mastering of the tools of the academic discipline, the ability to use it in solution of standard (typical) tasks;
- ability to solve standard (typical) tasks under the guidance of a teacher;
- ability to navigate in basic theories, concepts and directions on the discipline and give them an assessment;

- work under the guidance of a teacher on practical, laboratory classes, the permissible level of the culture of performance of tasks.

3 (three) points, failed:

- insufficient knowledge within the educational standard of higher education;
- studying of basic literature, recommended by the curriculum of the institution of higher education on the discipline;

- knowledge of a part of the basic literature, recommended by the curriculum of the institution of higher education on the discipline;

- use of scientific terminology, presentation of answers to questions with significant, logical errors;

- weak possession of the tools of the academic discipline, incompetence in solving standard (typical) tasks;

- inability to navigate in basic theories, concepts and directions on the discipline;

- work under the guidance of a teacher on practical, laboratory classes, the permissible level of the culture of performance of tasks.

- passivity on practical, laboratory classes, low level of the culture of performance of tasks.

2 (two) points, failed:

- fragmented knowledge within the educational standard of higher education;

- knowledge of individual literary sources, recommended by the curriculum of the institution of higher education on the discipline;

- inability to use scientific terminology of the academic discipline, the presence in the answer rude, logical errors;

- passivity on practical, laboratory classes, low level of the culture of performance of tasks.

1 (one) point, failed:

- lack of knowledge and (competences) within the educational standard of higher education, failure to answer, failure to appear for attestation without good cause.

12. METHODS AND MEANS OF IMPLEMENTATION OF THE CONTENT OF THE EDUCATIONAL PROGRAM AND TRAINING OF EDUCATIONAL, TRAINING AND METHODOLOGICAL MATERIALS

The training will be conducted using interactive methods (round tables, project method, group work, student dialogue, class discussions and case briefings, situation analysis, independent work (essay), presentation using IT) and distance learning technologies, implemented by means of the training portal (MOODLE Server). The students will be provided with electronic presentations of lectures, electronic and printed versions of handouts for practical classes.

On full-time classes, students will learn the discipline directly in the computer lab. The following software (SW) will be used during the training: MS Office, iSpring Internet services (MOODLE system, etc.), programs for recording and editing video, «ConsultantPlus».

13. RESOURCES

Basic literature

1. The Civil Code of the Republic of Belarus // «ConsultantPlus»: Republic of Belarus [Электронный ресурс] / ООО «ЮрСпектр», Национальный центр правовой информации Республики Беларусь. — Minsk, 2018.

2. World Intellectual Property Organization copyright agreement [Электронный ресурс] / Режим доступа: http://www.wipo.int/edocs/pubdocs/en/intproperty/489/wipo_pub_489.pdf.

3. Vachilo, I. L. Information Law, 5th edition. – Moscow.: Yurait, 2017. - 419 p. - ISBN 978-5-534-00608-7.

4. Kopilov, V. A. Information Law. – Moscow.: YURIST, 2016. - 472 p.
5. LLOYD, Ian. Information Technology Law, 8th edition, 2017, Oxford University Press. – 539 p. ISBN-13: 978-0198787556.

Additional literature

1. Bera, Poonam. "Presentation of electronic evidence in court in light of the Supreme Court judgment in Anvar P. K. vs. P.K Basheer & ors. Read more: Presentation of electronic evidence in court in light of the Supreme Court judgment in Anvar P. K. vs. P.K Basheer & ors." iPleaders. Retrieved 6 December 2014.
2. Computer Law: Drafting and Negotiating Forms and Agreements, by Richard Raysman and Peter Brown. Law Journal Press, 1999–2008. ISBN 978-1-58852-024-1.
3. "Facebook row: Court scraps charges against Palghar girls". The Hindu. 31 January 2013. Retrieved 23 April 2015.
4. "Law and Borders - The Rise of Law in Cyberspace". Cli.org. Retrieved 2013-11-05.
5. LEMLEY, Software and Internet Law, 4Th. 2011, Wolters Kluwer.
6. Rife, by Martine Courant. Convention, Copyright, and Digital Writing (Southern Illinois University Press; 2013) 222 pages; Examines legal, pedagogical, and other aspects of online authorship. Solove, D., Schwartz, P.. (2009). Privacy, Information, and Technology. (2nd Ed.). New York, NY: Aspen Publishers. ISBN 978-0-7355-7910-1.
7. World Intellectual Property Organization. "Understanding Copyright and Related Rights" (PDF). WIPO. p. 8. Retrieved 11 August 2017.

Author of the course – Lecturer Katsiaryna Kishkevich, PIMB