Ministry of Science and Higher Education of the Russian Federation

Federal State Autonomous Institution of Higher Education

"National Research Nuclear University "MEPhI"

INSTITUTE OF ENGINEERING PHYSICS FOR BIOMEDICINE

APPROVED НТС ИФИБ

Protocol No. 3.1

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ACADEMIC COURSE OUTLINE

ЮРИДИЧЕСКИЕ ОСНОВЫ ПРОФЕССИОНАЛЬНОЙ ДЕЯТЕЛЬНОСТИ / LEGAL FUNDAMENTALS OF PROFESSIONAL ACTIVITY

Educational program track (speciality)   [1] 31.05.01 General Medicine

Semester	Labour input, credits	Total course academic, hours	Lectures, hrs.	Practical sessions, hrs.	Laboratory sessions, hrs.	In the form of practical studies, hrs.	Independent studies, hrs.	Independent studies monitoring, hrs.	Course progress, Exam/Pass-fail exam/Term
10	2	72	16	32	0		24	0	PFE
Total	2	72	16	32	0	0	24	0	

ABSTRACT

The discipline encompasses the study of the concept, subject, methods, and sources of medical law. It covers the rights and obligations of healthcare professionals and healthcare organizations, as well as the rights and obligations of citizens in receiving medical care. The course examines the grounds and procedures for imposing civil liability on healthcare professionals and healthcare organizations. It further addresses administrative liability for healthcare professionals, healthcare organizations, and executive authorities managing the healthcare sector, along with criminal liability for professional offenses in medical practice. The discipline also includes strategies for protecting the interests of healthcare organizations and minimizing the risks of legal disputes arising from the provision of medical care.

Additionally, the curriculum covers issues related to anti-doping legislation and combating extremism, terrorism, and corrupt practices in professional activities.

1.   ACADEMIC COURSE GOALS AND OBJECTIVES

Aim of the Discipline

The aim of mastering the discipline is to develop competencies in the legal foundations of professional activities for preserving and improving public health, for identifying violations of anti-doping rules in sports, and for countering extremism, terrorism, and corrupt practices in professional activities.

Objectives

To form a system of knowledge, skills, and abilities in the field of legal foundations of professional activities.

To study professional offenses and determine their potential legal consequences, as well as ways to prevent them.

To develop an understanding of countering the use of doping in sports.

To develop skills in countering extremism, terrorism, and corrupt practices in professional activities.

2.   PLACE OF THE ACADEMIC COURSE IN THE MAIN HIGHER EDUCATION CURRICULUM

The discipline's content builds upon students' previously acquired knowledge, skills, and competencies in hygiene, general patient care, propaedeutics of internal medicine, faculty therapy and surgery, obstetrics and gynecology, and other clinical disciplines.

The knowledge and skills gained from studying this discipline are essential for mastering subsequent subjects such as public health and healthcare, hospital therapy, the "Polyclinic Practice" internship, and training in emergency medical procedures. The acquisition of competencies through this discipline facilitates the effective execution of a physician's professional activities.

3.   DEVELOPED COMPETENCIES AND INTENDED LEARNING OUTCOMES

Universal and/or general professional competencies:

Competency code and title	Code and title of competency-based rubrics
ОПК-1 [1] – Capable of implementing moral and legal norms, ethical and deontological principles in professional activities.	З-ОПК-1 [1] – Know: - main regulatory legal acts governing physician's activities; - concepts of medical confidentiality, informed voluntary consent for medical intervention, clinical guidelines, procedures and standards of medical care; - fundamental rights and obligations of physicians and patients; - principles of medical ethics (morality) and deontology. У-ОПК-1 [1] – Be able to: - find and apply current regulatory legal acts in professional activities; - protect the rights of physicians and patients. В-ОПК-1 [1] – Possess skills in: - interaction with colleagues and patients in compliance with ethics and deontology; - obtaining informed voluntary consent from patients or their legal representatives for medical interventions.
ОПК-3 [1] – Capable of countering the use of doping in sports and preventing it.	З-ОПК-3 [1] – Know: - the content of the concepts "doping" and "anti-doping rule violation"; - the consequences of doping use and anti-doping rule violations У-ОПК-3 [1] – Be able to: - explain the consequences of ignoring and violating anti-doping rules in sports В-ОПК-3 [1] – Possess skills in: - countering the use of doping
ОПК-11 [1] – Capable of preparing and applying scientific, research-production, project-related, organizational-managerial, and regulatory documentation within the healthcare system.	З-ОПК-11 [1] – Know: - the purpose of various types of documentation in medicine and healthcare; У-ОПК-11 [1] – Be able to: - search for and select scientific, project-related, organizational-managerial, and regulatory documentation in accordance with assigned tasks in professional activities; - analyze and apply scientific, project-related, organizational-managerial, and regulatory documentation to solve professional tasks; В-ОПК-11 [1] – Possess skills in: - preparing work plans and activity reports according to specified formats; - drafting organizational-administrative documents and preparing proposals for amendments to regulatory legal documents in the field of healthcare and medical sciences, as well as local regulatory acts of healthcare organizations
УК-11 [1] – Capable of fostering zero tolerance towards manifestations of extremism, terrorism, corrupt practices and countering them in professional activities	З-УК-11 [1] – Know: current legal norms ensuring opposition to extremism, terrorism, and corrupt behavior; indicators of extremism, terrorism, and corrupt behavior; fundamentals of preventing extremism, terrorism, and corrupt behavior У-УК-11 [1] – Be able to: plan, organize, and conduct measures to form a civic position based on zero tolerance towards extremism, terrorism, and corrupt behavior; apply measures to counter extremism, terrorism, and corrupt behavior in professional activities В-УК-11 [1] – Possess: skills in developing zero tolerance towards extremism, terrorism, and corrupt behavior; skills in countering extremism, terrorism, and corrupt behavior in professional activities

4.   PEDAGOGIC POTENTIAL OF THE COURSE

Pedagogic tracks/objectives	Pedagogic goals (code)
Spiritual and moral education	Establishing conditions for: formation of ethical thinking and professional responsibility of a scientist (B2)
Vocational and labor education	Establishing conditions for: formation of a deep understanding of the profession's social role, a positive and active commitment to the values of the chosen specialty, and a responsible attitude towards professional activity and work (B14)
Vocational and labor education	Establishing conditions for: formation of psychological readiness for professional activity in the chosen profession (B15)
Professional education	Establishing conditions for: formation of responsibility for professional choice, professional development and professional decisions (B18)
Professional education	Establishing conditions for: formation of the ability and commitment to adhere to professional norms that ensure the ethical character of both work activities and personal conduct outside of work (B21)

5.   ACADEMIC COURSE STRUCTURE AND CONTENT

Academic course sections, their scope, terms of study and assessment:

No.	Academic course section name	Weeks	Lectures/ Practical (seminars)/ Laboratory sessions, hrs.	Compulsory current assessment (form*, week)	Maximum grade per section**	Section assessment (form*, week)	Competency-based rubrics
	10 Semester						
1	The First Section	1-8	8/16/0	T-8 (25)	25	T-8	З-ОПК-1, У-ОПК-1, В-ОПК-1, З-ОПК-3, З-ОПК-11, В-ОПК-11, З-УК-11, У-УК-11, В-УК-11
2	The Second Section	9-15	8/16/0	T-14 (25)	25	T-14	З-ОПК-1, З-ОПК-11, З-УК-11, У-УК-11, В-УК-11
	Totals for 10 Semester		16/32/0		50		

					50	PFE	З-ОПК-1, У-ОПК-1, В-ОПК-1, З-ОПК-3, З-ОПК-11, У-ОПК-11, В-ОПК-11, З-УК-11, У-УК-11, В-УК-11
Assessment events for 10 Semester							

* – abbreviated name of assessment

** – 100 maximum points per semester including a pass/fail exam and (or) an exam

Abbreviated current assessment forms and section assessment

Abbreviation	Full name
T	Testing
PFE	Pass/fail examination

SYLLABUS

Weeks	Topics / Content	Lect., hrs.	Pr./sem., hrs.	Lab., hrs.
	10 Semester	16	32	0
1-8	**The First Section**	8	16	0
1 - 4	**Introduction to Medical Law**	All		
	Introduction to medical law: core terminology used in legal theory, an overview of legal sources, including sources of state	4	8	0
		Online		
	and international medical law. Fundamentals of legislation on the protection of citizens' health. Key regulatory legal acts governing medical practice. Rights and obligations of citizens in the healthcare sector. Priority of patient interests in the provision of medical care. Patient rights and the legal foundations for their保障. Realization of patient rights within the system of human rights to health protection and medical care. Organization of healthcare in the Russian Federation.	0	0	0
5 - 8	**Anti-Doping and Anti-Corruption Legislation**	All		
	Fundamentals of anti-doping legislation and legal norms ensuring opposition to extremism, terrorism, and corrupt	4	8	0
	practices.	Online		
	Professional aspects of doping in sports and violations of anti-doping legislation. Zero tolerance towards extremism, terrorism, and corrupt practices in professional activities.	0	0	0
9-15	**The Second Section**	8	16	0
9 - 11	**Legal Criteria for Professional Liability of Healthcare Workers**	All		
		4	8	0
	Rights and obligations of healthcare workers and healthcare organizations. Medical errors, iatrogenesis, and offenses in	Online		
	medicine. The significance and purpose of maintaining medical records.	0	0	0

Weeks					
	Medical error. Principles and forms of medical documentation and their role in legal proceedings. The most common errors in medical documentation. Professional liability of physicians. Protection of physicians' rights.				
12 - 15	**Specific Legal Enforcement Practices** Legal regulation in transplantology. Specifics of legal regulation governing artificial insemination, artificial termination of pregnancy, aesthetic procedures, palliative care, and the provision of medical care for mental disorders. Specifics of developing organizational and administrative documents and preparing proposals for amendments to regulatory legal documents in the field of healthcare and medical sciences, as well as local regulatory acts of a healthcare organization.	All			
		4	8	0	
		Online			
		0	0	0	

Abbreviated names of online options:

Abbreviation	Full name
EC	E-course
FtM	Full-text material
FtL	Full-text lectures
VM	Video materials
AM	Audio materials
Prs	Presentations
T	Tests
ERM	E-reference materials
IS	Interactive site

PRACTICAL SESSIONS TOPICS

Weeks	Topics / Content
	10 Semester
1 - 4	**Introduction to medical law** 1. Introduction to medical law: fundamental terminology used in legal theory, overview of legal sources, including sources of national and international medical law. 2. Fundamentals of legislation on protecting citizens' health. Main regulatory legal acts governing medical activities. Clinical guidelines, procedures, and standards of medical care. 3. Rights and obligations of citizens in the healthcare sector. Priority of patient interests when providing medical care. Patient rights and legal foundations for their enforcement. Realization of patient rights within the system of human rights to health protection and medical care. Organization of healthcare in the Russian Federation. Informed voluntary consent.
5 - 8	**Anti-Doping and Anti-Corruption Legislation** 1. Fundamentals of Anti-Doping Legislation. The concepts of "doping" and "anti-doping rule violation". Professional aspects of doping in sports and violations of anti-doping legislation. 2. Legal norms ensuring the opposition to extremism, terrorism, and corrupt practices. Indicators of extremism, terrorism, and corrupt behavior. 3. Organization and implementation of measures to form a civic position based on zero tolerance towards extremism, terrorism, and corrupt practices in professional activities.
9 - 11	**Legal Criteria for Professional Liability of Medical Workers**

	Legal Criteria for Professional Liability of Medical Workers 1. Rights and obligations of medical workers and healthcare organizations. Medical errors, iatrogenic harm, and offenses in medicine. 2. Significance and purpose of maintaining medical documentation. Purpose of various types of documentation in medicine. Concept of medical confidentiality. Confidentiality of medical records. 3. Medical error. Principles and forms of medical documentation and their role in legal proceedings. Most common errors in medical documentation maintenance. Professional liability of physicians. Protection of physicians' rights.
12 - 15	**Specific Legal Enforcement Practices** 1. Legal Regulation in Transplantology. Specifics of legal regulation governing artificial insemination, artificial termination of pregnancy, aesthetic procedures, palliative care, and the provision of medical care for mental disorders. 2. Specifics of developing organizational and administrative documents and preparing proposals for amendments to regulatory legal documents in the field of healthcare and medical sciences, as well as local regulatory acts of a healthcare organization.

6. EDUCATIONAL TECHNOLOGIES

The use of information technologies in the educational process for the discipline is carried out in accordance with the approved Regulation on the Electronic Information and Educational Environment of the National Research Nuclear University MEPhI.

The Learning Management System (LMS) is used for the implementation of educational programs in face-to-face, distance, and blended learning formats.

The system implements the following main functions:

Creation and management of classes,

Creation of courses,

Organization of student enrollment in courses,

Providing students with access to learning materials,

Publishing assignments for students,

Grading student assignments, conducting tests, and tracking learning progress,

Facilitating interaction among participants in the educational process.

The system integrates with additional services that enable the use of functions such as a work calendar, video conferencing, multi-user document editing, creation of survey forms, and an interactive whiteboard for drawing.

List of Information Technologies:

- Review of homework assignments and consultation via the electronic educational environment.

- Use of electronic presentations during practical classes.

- A collection of educational video materials.

7. ASSESSMENT TOOLKIT

The assessment toolkit ensures verification of the intended learning outcomes achievement (competency-based rubrics) using current, midterm and interim assessment of the course.

The link between developed competencies and their assessment is presented in the following table:

Competency	Achievement rubrics	Assessment activity (Syl 1)
ОПК-1	З-ОПК-1	PFE, T-8, T-14, T-8, T-14
	У-ОПК-1	PFE, T-8, T-8, T-14
	В-ОПК-1	PFE, T-8, T-8, T-14
ОПК-11	З-ОПК-11	PFE, T-8, T-14, T-8, T-14
	У-ОПК-11	PFE, T-8, T-14
	В-ОПК-11	PFE, T-8, T-8, T-14
ОПК-3	З-ОПК-3	PFE, T-8, T-8, T-14
	У-ОПК-3	T-8, T-14
	В-ОПК-3	T-8, T-14
УК-11	З-УК-11	PFE, T-8, T-14, T-8, T-14
	У-УК-11	PFE, T-8, T-14, T-8, T-14
	В-УК-11	PFE, T-8, T-14, T-8, T-14

Educational achievement rubrics scales

The scale of each assessment activity varies from 0 to the maximum established point, inclusive. The final assessment of the course is performed on a 100-point scale and represents the sum of the points earned by the student in the section assessments, framework of current and interim assessment.

Sections and interim assessments are considered passed when the student achieves a minimum score equal to 60% of the maximum. The final grade is assigned only upon passing all sections and the interim assessment.

The final grade is assigned in accordance with the following scale:

Total score	Rating on a 4-point scale	Pass/fail examination	ECTS assessment
90-100	5 – «excellent»		A
85-89			B
75-84	4 – «good»	«pass»	C
70-74			D
65-69	3 – «satisfactory»		
60-64			E
below 60	2 – «fail»	«fail»	F

An "excellent" grade indicates a deep and solid mastery of the program material by a student who presents their answers consistently, clearly, and logically, is able to closely link theory with practice, and uses materials from monographic literature in their answers.

A "good" grade corresponds to a student's solid knowledge of the material, who presents their answers competently and to the point, without any significant inaccuracies.

A "satisfactory" grade corresponds to the basic level of mastery of the material by the student, in which the main material has been mastered, but its details have not been assimilated, the answers contain inaccuracies, insufficiently correct wording and logical inconsistencies.

A grade "pass" corresponds to at least a basic level of mastery of the program material, in which the student possesses the necessary knowledge, skills, and abilities, and is able to apply theoretical principles to solve typical practical problems.

A grade "fail" is given to a student who lacks a significant understanding of the curriculum material, makes significant errors in their answers, or fails all required assignments. These students are generally unable to continue their studies without additional classes.

8. ACADEMIC COURSE EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT

CORE READING:

1. ЭИ Ш 37 Медицинское право : учебник для вузов, Шевченко О. А. [и др.], Санкт-Петербург: Лань, 2024

2. ЭИ А 62 Противодействие коррупции : учебное пособие для вузов, Амиантова И. С., Москва: Юрайт, 2024

3. ЭИ А 65 Профилактика допинга в спорте : учебное пособие для вузов, Андриянова Е. Ю., Москва: Юрайт, 2024

FURTHER READING:

1. ЭИ S53 Access to Medicine Versus Test Data Exclusivity : Safeguarding Flexibilities Under International Law, Shaikh, Owais H. , Berlin, Heidelberg: Springer Berlin Heidelberg, 2016

2. ЭИ С30 Медицинское право: судебная практика в России и за рубежом : монография, Семина Т.В., Москва: Проспект, 2024

3. ЭИ С 77 Правовой минимум медицинского работника (врача) : , Старчиков М.Ю., Москва: ГЭОТАР-Медиа, 2022

4. ЭИ К 30 Противодействие терроризму : учебное пособие для вузов, Кафтан В. В., Москва: Юрайт, 2024

5. ЭИ Ю 70 Юридические основы деятельности врача. Медицинское право : Гриф УМО по медицинскому и фармацевтическому образованию вузов России., , Москва: ГЭОТАР-Медиа, 2008

SOFTWARE:

No special softwares is required

LMS AND ONLINE RESOURCES

https://online.mephi.ru/

http://library.mephi.ru/

9. LOGISTICAL SUPPORT

1. Интерактивная доска SMART SBM 685 (64-407)

2. Монитор Dell P2720D (64-407)

3. Мышь, клавиатура (64-407)

4. Персональный компьютер: Моноблок Lenovo V540-24IWL All-In-One 23,8" i3-8145U 8Gb 256GB_SSD_M.2 Intel (64-407)

5. Проектор SMART P109 (64-407)

10. EDUCATIONAL AND METHODOLOGICAL RECOMMENDATIONS FOR STUDENTS

Guidelines for Seminar Preparation

The plan for practical classes, including topics, recommended literature, and the aims and objectives of the discipline, is provided by the instructor during introductory sessions or in the course syllabus. Practical classes are designed to deepen understanding of the study material and develop skills in working creatively with scientific literature.

Before beginning to study a topic, students should familiarize themselves with the main points of the practical lesson plan and the list of recommended literature.

When starting preparation for a practical class, students should first review lecture notes and relevant sections in textbooks and study guides to gain a general understanding of the topic's place and significance within the course. Subsequently, they should work with additional literature and take notes from recommended sources. While studying the recommended material, it is important to understand the structure of the topic, identify key concepts, trace their logical connections, and thus grasp the essence of the subject matter. Keeping notes in the form of a summary is essential, as it engages motor memory in addition to visual memory and helps build a personal repository of auxiliary materials for quick review and mobilization of accumulated knowledge.

Primary forms of note-taking include outlines (simple and detailed), excerpts, and abstracts. During preparation, it is important to compare sources, contemplate the material, develop an action algorithm, and carefully plan oral presentations.

Guidelines for Test Preparation

Tests are worth 10-15-20-25 points. Each question is worth 1 (or 2) points.
TOPICS: specified in each respective section.

Answer requirements: a clear, detailed response (2 points/task) or selecting the correct answer in a test task (1 point/task).

Guidelines for Preparing for the Credit/Exam
Answer Requirements and Grading Criteria:

An "Excellent" grade (45–50 points on the credit/exam) is awarded for a correct, complete, and logically structured answer; the ability to use specialized terminology effectively; and the ability to illustrate theoretical concepts with practical examples.

A "Good" grade (35–44 points on the exam) is awarded for a correct, complete, and logically structured answer with minor errors or inaccuracies; the ability to use specialized terminology, but with incomplete conclusions or generalizations.

A "Satisfactory" grade (30–34 points on the exam) is awarded for a schematic, incomplete answer; difficulty in using specialized terminology or lack of knowledge thereof; or the presence of one significant error.

An "Unsatisfactory" grade (<30 points on the exam) is awarded if the answer to all exam questions contains significant errors; an inability to use specialized terminology; or an inability to provide examples of the practical application of scientific knowledge.

Admission to the course exam is granted with a total of more than 30 points.

During the semester, a student can accumulate between 30 and 50 points.

The minimum score for the exam answer is 30, the maximum is 50.

11.   EDUCATIONAL AND METHODOLOGICAL RECOMMENDATIONS FOR TEACHERS

In organizing and conducting the educational process, instructors must be able to plan and manage their time effectively, which enables the distribution of the teaching load and is an essential condition for successful course delivery.

Instructors must actively and directly participate in the educational process and prepare for it. The need for continuous preparation for lectures, seminars, and practical classes is driven by the requirement to reflect contemporary approaches, perspectives, and data on relevant topics and sections. When preparing for the educational process, it is necessary to study modern methodological recommendations, results of scientific research, new technologies, etc.

The objective of the instructor's work should be the effective comprehension of the material by the students. The following types of academic work are implemented during the teaching process: lectures, seminars, practical classes, and independent work. When delivering various types of academic work, the instructor should utilize educational technologies (creating interactive presentations, using computer-based learning programs, and employing thinking development techniques such as effective lecturing, tables, group work, etc.).

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