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**Federal State Autonomous Educational Institution for Higher Education  
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA  
(RUDN University)**

**Institute of Medicine**

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educational division (faculty/institute/academy) as higher education programme developer

## **COURSE SYLLABUS**

### **ANATOMY**

**Recommended by the Didactic Council for the Education Field of:**

**31.05.01 General Medicine**

**The course instruction is implemented within the professional education programme of higher education:**

General Medicine

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higher education programme profile/specialisation title

**2025г.**

## 1. COURSE GOAL(s) :

The goal of the course “Anatomy” is to equip students with the knowledge of the structure of the Human Body, organs and organ systems their topography and the development on the basis of modern achievements macro- and microscopic anatomy as well as formation of general professional medical competence in matters of structural organization of basic processes of living organism.

## 2. LEARNING OUTCOMES

Mastering the discipline "Anatomy" is aiming at developing the following competencies in students:

*Table 2.1. The list of competencies formed by students during the development of the discipline (Learning outcomes)*

Competence code	Competence	Competence indicators
GPC-11	Able to create and implement scientific, technical and production, design, organizational, managerial, and regulatory documentation within the healthcare system.	GPC -1.1. Be able to comply with moral and legal norms in professional activities.
GPC-5	Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	GPC-5.3. To be able to determine the morphofunctional, physiological states and pathological processes of the human body

## 3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

Discipline “**Anatomy**” refers to the basic part of block 1 of the curriculum.

As part of Higher Education Program, students also master other disciplines and / or practices that contribute to expected learning the discipline "**Anatomy**".

*Таблица 3.1. List of Higher Education Program (me) components / disciplines that contribute to expected learning*

Competence code	Competence	Previous Disciplines (Modules)	Subsequent Disciplines (Modules)
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GPC-11	Able to create and implement scientific, technical and production, design, organizational, managerial, and regulatory documentation within the healthcare system.	Biology	General Surgery; Medical Elementology; Faculty Surgery; Otorhinolaryngology; Urology; Professional Diseases; Forensic Medicine; Anesthesiology, Resuscitation, Intensive Care; Oncology, Radiation Therapy; Autopsy Course; Endoscopic Urology; Medical Enzymology;
<b>Competence code</b>	<b>Competence</b>	<b>Previous Disciplines (Modules)</b>	<b>Subsequent Disciplines (Modules)</b>
			Practice to Gain Primary Professional Skills and Professional Experience: Assistant Ward Nurse; Practice for Obtaining Primary Professional Skills and Professional Experience: Assistant to a Procedural Nurse.
GPC-5	Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	Biology	Microbiology, Virology; Pathological Anatomy, Clinical Pathological Anatomy; Pathophysiology, Clinical Pathophysiology; General Surgery; Topographic Anatomy and Operative Surgery; Dermatovenerology; Neurology, Medical Genetics, Neurosurgery; Faculty Surgery; Professional Diseases; Hospital Therapy; Hospital Surgery, Pediatric Surgery; Forensic Medicine; Anesthesiology, Resuscitation, Intensive Care; Oncology, Radiation Therapy; Maxillofacial Surgery; Medical Enzymology; Basics of Integrative Medicine; Practice in the Therapeutic Field: Physician's Assistant.

#### 4. COURSE WORKLOAD AND ACADEMIC/TRAINING/LEARNING ACTIVITIES

The course total workload is equal to 12 credits.

*Table 4.1. Types of academic activities during the period of the Higher Education Program mastering*

Types of academic activities		<b>Semesters</b>
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		<b>Total, academic hours</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Contact academic hours</b>		<b>312</b>	<b>102</b>	<b>102</b>	<b>108</b>
including:					
Lectures		52	17	17	18
Lab work		238	85	85	90
Seminars (workshops/tutorials)		0	0	0	0
Self-study (ies), academic hours		60	21	21	18
Evaluation and assessment (exam or pass/fail grading)		60	21	21	18
Course workload	academic hours	<b>432</b>	<b>144</b>	<b>144</b>	<b>144</b>
	credits	<b>12</b>	<b>4</b>	<b>4</b>	<b>4</b>

## 5. COURSE MODULES AND CONTENTS

*Table 5.1. The content of the discipline (module) by type of academic work*

<b>Modules</b>	<b>Units/Themes</b>	<b>Types of educational work</b>
<b>1. Somatology</b>	<b>Topic 1.1.</b> Bones and joints of trunk	<b>Lecture Lab work</b>
	<b>Topic 1.2.</b> Bones and joints of the limbs	<b>Lecture Lab work</b>
	<b>Topic 1.3.</b> Bones and joints of the head	<b>Lecture Lab work</b>
	<b>Topic 1.4.</b> Muscular system	<b>Lecture Lab work</b>
<b>2. Splanchnology</b>	<b>Topic 2.1.</b> Digestive system	<b>Lecture Lab work</b>
	<b>Topic 2.2.</b> Respiratory system	<b>Lecture Lab work</b>
	<b>Topic 2.3.</b> Urinary and Reproductive systems	<b>Lecture Lab work</b>
	<b>Topic 2.4.</b> Lymphoid system	
	<b>Topic 2.5.</b> Endocrine glands	<b>Lecture Lab work</b>
<b>3. Cardiovascular system</b>	<b>Topic 3.1.</b> Cardiovascular system	<b>Lecture Lab work</b>
	<b>Topic 3.2.</b> Lymphatic drainage pathways	<b>Lecture Lab work</b>
<b>4. Nervous system and sense organs</b>	<b>Topic 4.1.</b> Central nervous system	<b>Lecture Lab work</b>
	<b>Topic 4.2.</b> Cranial nerves	<b>Lecture Lab work</b>
	<b>Topic 4.3.</b> Spinal nerves and their derivatives	<b>Lecture Lab work</b>
	<b>Topic 4.4.</b> The autonomic nervous system	<b>Lecture Lab work</b>
	<b>Topic 4.5.</b> Sensory organs	<b>Lecture Lab work</b>

## 6. CLASSROOM INFRASTRUCTURE AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom Infrastructure and Technology Support Requirements

<b>Classroom for Academic Activity Type</b>	<b>Classroom Infrastructure</b>	<b>Specialized educational/laboratory equipment, software and materials for the development of the discipline (if necessary)</b>
Lecture Classroom	Audience for lecture-type classes equipped with a set of specialized furniture; whiteboard; a set of devices includes portable multimedia projector,	
<b>Classroom for Academic Activity Type</b>	<b>Classroom Infrastructure</b>	<b>Specialized educational/laboratory equipment, software and materials for the development of the discipline (if necessary)</b>
	laptop, projection screen, stable wireless Internet connection.	
Laboratory	An auditorium for laboratory work, individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and equipment.	
Classroom for Seminars	An auditorium for Seminars, individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and equipment.	
Computer Lab Classroom	A computer class for conducting classes, group and individual consultations, current control and intermediate certification, equipped with personal computers (in the amount of 17), a board (screen) and technical means of multimedia presentations.	
Self-studies Classroom	An auditorium for self-studies of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the EIOS.	

## 7. RECOMMENDED SOURCES FOR COURSE STUDIES

### *Main reading (sources)*

1. Sapin M.R. Textbook of Human Anatomy: For Medical Students: In 2 volumes. Volume 2 / M.R. Sapin, L.L. Kolesnikov, D.B. Nikitjuk; Edited by M.R.Sapin. - Книга на английском языке. - Moscow : New Wave Publishing Agency, 2020, 2018. <https://lib.rudn.ru/>

2. Textbook of Human Anatomy. In 3 vol. / L. L. Kolesnikov, D. B. Nikitiuk, S. V. Klochkova, I. G. Stelnikova. - Книга на английском языке. - Moscow: GEOTAR-Media, 2020. - 216 p. <https://lib.rudn.ru/>

*Additional (optional) reading (sources)*

1. Human anatomy: the textbook in 2 v./ M.Prives, N.Lysenkov, V.Bushkovich. – M.,Mir Publishers, 1989.
2. Hansen J.T. Netter's Clinical Anatomy / J.T. Hansen, F.H. Netter. - 4th Edition ; Книга на английском языке. - Philadelphia : Elsevier, 2019. - 588 p. : il.
3. Textbook of Human Anatomy [Электронный ресурс] : In 3 vol. Vol. 1 : Locomotor apparatus / L.L. Kolesnikov [и др.]. - М. : ГЭОТАР-Медиа, 2018.- 288 p
4. Drake R.L. Gray's Anatomy for Students / R.L. Drake, W.A. Vogl, Mitchell Adam W.M. - Third Edition ; Книга на английском языке. - Philadelphia : Elsevier, 2015. - 1161 p.
5. Netter F.H. Atlas of human anatomy [Текст] / F.H. Netter. - 6th ed. ; Книга на английском языке; International edition. - Philadelphia : Saunders : Elsevier, 2014. - 591 p.

*Internet-(based) sources*

- Electronic libraries with access for RUDN students  
<http://lib.rudn.ru/MegaPro/Web> <http://www.biblioclub.ru>  
<http://www.biblio-online.ru> [www.studentlibrary.ru](http://www.studentlibrary.ru)  
<http://e.lanbook.com/>
- Databases and search engines  
<http://docs.cntd.ru/> <https://www.yandex.ru/>  
<https://www.google.ru/>  
<http://www.elsevierscience.ru/products/scopus/>

*Learning toolkits for self- studies in the RUDN LMS TUIS:*

1. Lecture Synopsis
2. Methodological recommendations for students

**8. ASSESSMENT AND EVALUATION TOOLKIT. GRADING CRITERIA**

Assessment and evaluation toolkit, grading criteria based on the results of mastering the discipline "Anatomy" are presented in the Appendix to this course syllabus.

**Developers:**

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