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**Federal State Autonomous Educational Institution of Higher Education**  
**PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA**  
**NAMED AFTER PATRICE LUMUMBA**  
**RUDN University**

**Institute of Medicine**

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

**COURSE SYLLABUS**

**Human Anatomy - Anatomy of Head and Neck**

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course title

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

**31.05.03 Dentistry**

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field of studies / speciality code and title

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

**Dentistry**

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higher education programme profile/specialisation title

**2024-2025**

## 1. COURSE GOAL(s)

The goal of the course “**Human anatomy. Anatomy of head and neck**” is to acquire of knowledge about the structure of the human body, structure of organs and organ systems, their topography and development on the base of modern achievements of the macro- and microscopic anatomy as well as the development of general professional medical competence in matters of structural organization of basic the processes of the living organism.

## 2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) “**Human anatomy**” is aimed at the development of the following competences /competences in part: GC-1, GPC-9, GPC-11.

*Table 2.1. List of competences that students acquire through the course study*

<b>Competence code</b>	<b>Competence descriptor</b>	<b>Competence formation indicators (within this course)</b>
GC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy.	GC-1.1. Analysing the problem situation as a system identifying its components and links between them.
GPC-9	Being able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks	GPC-9.3. Determining morphofunctional, physiological states and pathological processes of the human body.
GPC-13	Being able to understand the operation principles of modern IT and use them to solve the professional tasks	GPC-13.1. Using information technology in professional activity and observing the information security rules. Information and communication media and technology in professional activity.

## 3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective\* component of (B1) block of the higher educational programme curriculum.

\* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

*Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results*

<b>Competence code</b>	<b>Competence descriptor</b>	<b>Previous courses/modules*</b>	<b>Subsequent courses/modules*</b>
UC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy	Biology	Topographic anatomy and operative head and neck surgery
GPC-9	Being able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks	Compulsory school (Disciplines) Module of natural science cycle	Topographic anatomy and operative head and neck surgery Propaedeutics of dentistry discipline
GPC-13	Being able to understand the operation principles of modern IT and use them to solve the professional tasks	Compulsory school (Disciplines) Module of natural science cycle	Topographic anatomy and operative head and neck surgery Propaedeutics of dentistry discipline Oral surgery Gnathology and functional examination of temporomandibular joint Maxillofacial and gnathological Surgery Preventive dentistry Therapeutic dentistry Obstetrics

\* To be filled in according to the competence matrix of the higher education programme.

#### **4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES**

The total workload of the course “**Human anatomy. Anatomy of head and neck**” is 9 credits (324 academic hours).

*Table 4.1. Types of academic activities during the periods of higher education programme mastering (**full-time training**)\**

Type of academic activities	Total academic hours	Semesters/training modules			
		2	3		
Contact academic hours	210	108	102		
including:					
Lectures (LC)	53	36	17		
Lab work (LW)	157	72	85		
Seminars (workshops/tutorials) (S)					
Self-studies	78	54	24		
Evaluation and assessment (exam/passing/failing grade)	36	18	18		
<b>Course workload</b>	academic hours_	<b>324</b>	<b>180</b>	<b>144</b>	
	credits	<b>9</b>	<b>5</b>	<b>4</b>	

\* To be filled in regarding the higher education programme correspondence training mode.

## 5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
<b>Section 1.</b> Anatomy of body and organs	1. 1. Anatomy of body	LC, LW
	1. 2. Splanchnology	LC, LW
	1. 3. Cardiovascular and Lymphoid system	LC, LW
	1. 4. Nervous system	LC, LW
<b>Section 2.</b> Head and neck anatomy	2. 1. Structure of skull, muscles and fasciae of head and neck	LC, LW
	2. 2. Anatomy of the oral cavity and teeth	LC, LW
	2. 3. Brain and sense organs	LC, LW
	2. 4. Cranial nerves and their areas of innervation	LC, LW

\* - to be filled in only for **full**-time training: LC - lectures; LW - lab work; S - seminars.

## 6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)

Lecture	Lecture classroom equipped with a set of specialized furniture; whiteboard (screen) and technical devices for multimedia projector	
Lab-work	Classroom for lab works, individual consultations, current control and MidTerm Assessment attestation equipped with a set of specialized furniture and devices	
Computer classroom	Computer classroom for group and individual consultations, current control and Mid-Term assessment equipped with personal computers (15 in number), whiteboard (screen) and projection screen for presentations	
Self-studies	Classroom for self-studies of students (may be used for seminars and consultations), equipped with set of specialized furniture and computers with EIEM access.	

## 7. RESOURCES RECOMMENDED FOR COURSE STUDY

*Main readings:*

***Printed publications:***

1. Human Anatomy: textbook / M.G.Prives, N.K. Lysenkov, V.I. Bushkovich.- Nav Prabhat Printing Press, Delhi. – 2 volumes, 602 and 439 p. - 1985.  
[Anatomy vol.1 and 2 скан Prives](#)
2. Human anatomy: the textbook in 2 v./M.R.Sapin, L.L.Kolesnikov, D.B.Nikitjuk. – M., New Wave Publisher Ltd, 416 and 480 pages. - 2005. [Sapin Human Anatomy 1 vol Sapin Human Anatomy 2 vol](#)
3. Atlas of Human Anatomy: a textbook for medical students in 3 volumes / R.D. Sinelnikov, Ya.R.Sinelnikov. – Mir Publisher Moscow. - 1989. [англ Синельников](#)
4. Anatomy of bones: Students' workbook, training manual / V.I. Kozlov, O.A. Gurova, T.V. Kokoreva. - M .: Practical Medicine, 2014.

5. Anatomy of joints: Students' workbook, training manual / V.I. Kozlov, O.A. Gurova, T.V. Kokoreva. - М.: Practical Medicine, 2014.
6. Anatomy of muscles: Students' workbook, training manual / V.I. Kozlov, O.A. Gurova, T.V. Kokoreva. - М.: Practical Medicine, 2014.
7. Anatomy of skull: Students' workbook, training manual / V.I. Kozlov, O.A. Gurova, T.V. Kokoreva. - М.: Practical Medicine, 2014.
8. Anatomy of oral cavity: Students' workbook, training manual / V.I. Kozlov, T.A. Tsehmistrenko, T.Yu. Tsvetkova. - М.: People's Friendship University, 2018.
9. Колесников Л.Л. Анатомия человека: атлас в 3 томах. - М.: ГЭОТАР-Медиа, 2017-2018, 2022-2023. Т.1: Остеология, артросиндесмология, миология – 480 с. [https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link\\_FindDoc&id=497926&idb=0](https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=497926&idb=0) Т.2: Спланхнология - 672 с. [https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link\\_FindDoc&id=475725&idb=0](https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=475725&idb=0) Т.3: Неврология, эстеziология - 624 с. [https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link\\_FindDoc&id=508318&idb=0](https://lib.rudn.ru:443/MegaPro/UserEntry?Action=Link_FindDoc&id=508318&idb=0)

***Discipline workbooks (manual training):***

1. Kozlov V.I., Gurova O.A., Kokoreva T.V., Anatomy of the skeleton. Workbook. Educational allowance. - М.: Practical Medicine, 2019. -- 72 p.
2. Kozlov V.I., Gurova O.A., Kokoreva T.V. Skull anatomy. Workbook. Educational allowance. - М.: Practical Medicine, 2018. -- 44 p.
3. Kozlov VI, Gurova OA, Kokoreva TV, Anatomy of compounds. Workbook. Tutorial. - М.: Practical Medicine, 2019. -- 56 p. 4. Kozlov V.I., Gurova O.A., Kokoreva T.V. Muscle anatomy. Workbook. Educational allowance. - М.: Practical Medicine, 2018. -- 62 p.
5. Kozlov V.I., Sakharov V.N. Anatomy of the digestive and respiratory systems. Working notebook. Tutorial. - М.: Practical Medicine, 2019. -- p.
6. Kozlov V.I., Gurova O.A. Anatomy of the kidneys and urinary organs. Workbook. Tutorial. - М.: Practical Medicine, 2018. -- 70 p.
7. Kozlov V.I., Naumets L.V., Kuchuk A.V. Anatomy of the heart. Workbook. Educational allowance. - М.: Practical Medicine, 2018. -- 45 p.
8. Kozlov V.I., Kokoreva T.V. Arteries and veins anatomy. Workbook. Educational allowance. - М.: Practical Medicine, 2020. --98 p.
9. Kozlov VI, Tsekhmistrenko TA Anatomy of the spinal cord and brain. Working notebook. Tutorial. - М.: Practical Medicine, 2018. -- 126 p.
10. Kozlov VI, Tsekhmistrenko TA Anatomy of the peripheral nervous system. Working notebook. Tutorial. - М.: Practical Medicine, 2020. - 112p.
11. Kozlov V.I., Tsekhmistrenko T.A., Tsvetkova T.Yu. Oral cavity anatomy. Working notebook. Tutorial. - М.: Practical Medicine, 2018. -- 70 p.
12. Kozlov V.I., Tsekhmistrenko T.A., Tsvetkova T.Yu. Anatomy of the teeth. Workbook. Tutorial. - Moscow: Practical Medicine, 2019. -- 80 p.

**Electronic full-text materials**

1. Human Anatomy: textbook / M.G.Prives, N.K. Lysenkov, V.I. Bushkovich.- Nav Prabhat

- Printing Press, Delhi. – 2 volumes, 602 and 439 p. - 1985. [Anatomy vol.1 and 2 scan Prives](#)
2. Human anatomy: the textbook in 2 v./M.R.Sapin, L.L.Kolesnikov, D.B.Nikitjuk. – M., New Wave Publisher Ltd, 416 and 480 pages. - 2005. [Sapin Human Anatomy 1 vol](#) [Sapin Human Anatomy 2 vol](#)
  3. Atlas of Human Anatomy: a textbook for medical students in 3 volumes / R.D. Sinelnikov, Ya.R.Sinelnikov. – Mir Publisher Moscow. - 1989. [англ Синельников](#)
  4. Atlas «Virtual anatomy 3D» [Electronic source]: V.I. Kozlov, D.I. Landau, S.V. Rubtsov. Артекса, 2016.
  5. Book collections of publishing house SPRINGER. Access mode: [www.springerlink.com](http://www.springerlink.com)
  6. Anatomic portal. Access mode: <http://anatomyportal.info/map.html>
  7. Anatomic portal for doctors and students. – Access mode: <http://anatomy-portal.info/>
  8. Anatomy. Human anatomy atlas. Access mode: <http://www.anatomy.tj/> 9. Terminologia Anatomica, 1998. Access mode: on-line version <http://www.unifr.ch/ifaa/Public/EntryPage/HomePublic.html>

*Additional readings:*

**Electronic full-text materials**

1. Practical skills of students for midterm certification in human anatomy [Electronic resource]: Specialty "Dentistry" / Comp .: V.I. Kozlov, T.A. Tsekhmistrenko, N.I. Volosok. - M .: Publishing house of RUDN, 2015 .-- 39 p.
2. Library homepage RUDN - Mode of access: <http://lib.rudn.ru/> - from desktops RUDN
3. University Library ONLINE - Mode of access: <http://www.biblioclub.ru/>
4. Atlas «Virtual anatomy 3D» [Electronic resource]: V.I. Rozlov, D.I.Landay, S.V. Rubtsov. Artekса, 2016.

**Printed publications**

1. Clinically Oriented Anatomy 7<sup>th</sup> edition / Keith L. Moore, Arthur F. Dalley, Anne M.R. Agur. – Wolters Kluwer/Lippincott Williams & Wilkins, 2014. – 1170 p. [Moore - Clinically Oriented Anatomy 7th Ed by allmedicalstuff.com.pdf](#)
2. Wheeler’s Dental Anatomy, Physiology and Occlusion 9<sup>th</sup> edition / Stanley J. Nelson. – printed in China, 2010. – 401 p. [Wheeler Dental anatomy.pdf](#)
3. Terminologia Anatomica (International Anatomical Nomenclature) / edited by L.L. Kolesnikov. – M. Medicina, 2003. – 424 p. [Колесников Л.Л. - Международная анатомическая терминология - 2003.pdf](#)

**Software:**

- interactive teaching and research technology "Anatomical table" with software «Anatmage»;
- interactive teaching and research technology "Anatomical table" with software «Artekса»\$
- virtual simulator (VR Technology) "Anatomy of teeth".

**Periodicals**

1. Scientific journal "Morphology"

## 2. Scientific journal "Morphological Bulletin"

*Internet-(based) sources «Internet»:*

1. Electronic libraries of RUDN and outresourced with access for RUDN students on the basis of concluded agreement:

- Electronic libraries of RUDN – ЭБС РУДН <http://lib.rudn.ru/MegaPro/Web>
- EL «Университетская библиотека онлайн» <http://www.biblioclub.ru>
- EL Юрайт <http://www.biblio-online.ru>
- EL «Консультант студента» [www.studentlibrary.ru](http://www.studentlibrary.ru)
- EL «Лань» <http://e.lanbook.com/>
- EL «Троицкий мост»

2. Databases and search engines:

- electronic fund of legal and normative-technical documentation <http://docs.cntd.ru/>
- Yandex search engine <https://www.yandex.ru/>
- Google search engine <https://www.google.ru/>
- abstract database SCOPUS  
<http://www.elsevierscience.ru/products/scopus/>

*Training toolkit for self- studies to master the course \*:*

1. The set of lectures on the course “Human Anatomy - Anatomy of Head and Neck”.
2. The laboratory workshop (if any) on the course “Human Anatomy - Anatomy of Head and Neck”.
3. The guidelines for writing a course paper / project (if any) on the course “Human Anatomy - Anatomy of Head and Neck”.
4. ....

\* The training toolkit for self- studies to master the course is placed on the course page in the university telecommunication training and information system under the set procedure.

## **8. ASSESSMENT TOOLKIT AND GRADING SYSTEM\* FOR EVALUATION OF STUDENTS’ COMPETENCES LEVEL UPON COURSE COMPLETION**

The assessment toolkit and the grading system\* to evaluate the competences formation level (UC-1, GPC-9, GPC-11) upon the course study completion are specified in the Appendix to the course syllabus.

\* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

### **DEVELOPERS:**

Full Professor of Human

Anatomy Department

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position, department

T.A. Tsekhmistrenko

---

signature

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name and surname



Head of the Department of  
Human Anatomy

---

position, department

---

signature

V.I. Kozlov

---

name and surname

**HEAD OF EDUCATIONAL DEPARTMENT:**  
of Human Anatomy

---

name of department

---

signature

V.I. Kozlov

---

name and surname

**HEAD  
OF HIGHER EDUCATION PROGRAMME:**

Deputy Director of Institute of  
Medicine in the field of  
Dentistry

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position, department

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signature

S.N. Razumova

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name and surname