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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**

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

**COURSE SYLLABUS**

**OTORHINOLARYNGOLOGY**

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course title

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

**31.05.01 General Medicine**

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field of studies / speciality code and title

**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

**2026**

## 1. THE GOAL(s)

The aim of the course «**Otorhinolaryngology**» is to help students study and learn methods of examining ENT organs, to teach diagnosis, treatment, prevention and rehabilitation of ear, nose and throat diseases.

## 2. REQUIREMENTS FOR LEARNING OUTCOMES

The mastering of the course «**Otorhinolaryngology**» is aimed at the formation of the following competencies of students: **GPC-5, GPC-7, PC-2, PC-3.**

*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>
GPC-5	Being able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks	GPC-5.3. Being able to determine morpho-functional, physiological states and pathological processes of the human body.
GPC-7	Being able to prescribe treatment and monitor its efficacy and safety	GPC-7.1. Mastering skills in the methods of general clinical examination, interpretation of laboratory results, instrumental diagnostic methods.
PC-2	Being able to examine a patient in order to determine a diagnosis	PC-2.1. Mastering the skills to collect complaints, anamnesis of the patient's life and disease, as well as conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation). PC-2.2. Being able to make a preliminary diagnosis and make up a plan of laboratory and instrumental examinations of a patient. PC-2.3. Being able to refer a patient to a laboratory examination in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the medical care standards. PC-2.4. Being able to refer a patient to an instrumental examination in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care. PC-2.5. Being able to refer a patient to consult with a medical specialist if there is a medical indication in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care. PC-2.6. Being able to refer a patient to be provided with specialized medical care in an

Competence code	Competence descriptor	Competence formation indicators (within this course)
		<p>inpatient setting or in a day hospital in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-2.7. Being able to carry out differential diagnosis with other diseases/conditions, including the urgent ones, as well as to make a diagnosis taking into account the current international statistical classification of diseases and problems related to health (ICD).</p>
PC-3	Being able to prescribe treatment and monitor its efficacy and safety	<p>PC-3.1. Being able to develop a treatment plan for a disease or condition taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.2. Being able to prescribe medicinal drugs, medical devices and medical nutrition taking into account the diagnosis, age and clinical picture of the disease and in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.3. Being able to prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p>

### 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

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
GPC-5	Being able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve professional tasks	Psychology and Pedagogy, Psychiatry, Medical Psychology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
GPC-7	Being able to prescribe treatment and monitor its efficacy and safety	Pathological anatomy, Clinical pathological anatomy, Pathological physiology, Microbiology, Virology, Immunology Pharmacology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
PC-2	Being able to examine a patient in order to determine a diagnosis	Immunology Propedeutics of internal diseases, Radiation diagnostics, General surgery	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
PC-3	Being able to prescribe treatment and monitor its efficacy and safety	Pathological anatomy, Clinical pathological anatomy, Pathological physiology, Microbiology, Virology, Immunology Pharmacology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry

#### 4. THE DISCIPLINE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the discipline "Otorhinolaryngology" is equal to 4 credits.

Table 4.1. Types of academic activities during the period of the HE program mastering

Type of academic activities	Total academic hours	Semesters/training modules	
		8	
Classroom learning , ac.h.	90	90	
Lectures (LC)			
Lab work (LW)	90	90	
Seminars (workshops/tutorials) (S)			
Evaluation and assessment (exam/passing/failing grade)	48	48	
Evaluation and assessment (exam/passing/failing grade)	6	6	

Type of academic activities		Total academic hours	Semesters/training modules	
			8	
Course workload	academic hours	144	144	
	credits	4	4	

## 5. COURSE CONTENTS

*Table 5.1. Course contents and academic activities types*

Course module title	Course module contents (topics)	Academic activities types
Introduction to the Department. Clinical Anatomy and Physiology of ENT Organs.	Introduction to the Department. Clinical Anatomy and Physiology of ENT Organs.	LW
Research methods of ENT – organs.	Research methods of ENT – organs: anterior rhinoscopy, posterior rhinoscopy, pharyngoscope, laryngoscope, otoscopy.	LW
Pathology of the nose and paranasal sinuses.	Diseases of the external nose. Nosebleeds. Acute and chronic diseases of the nasal cavity. Inflammatory diseases of paranasal sinuses.	LW
Pathology of the pharynx.	Angina, complications of angina. Chronic tonsillitis. Foreign body of the pharynx. Adenoids. Adenoiditis.	LW
Pathology of the ear.	Diseases of the external ear. Acute middle ear infections. Mastoiditis. Chronic diseases of the middle ear. Diseases of the inner ear.	LW
Pathology of the larynx.	Acute and chronic diseases of the larynx. Tracheotomy. Diseases of the nervous system, sensitivity disorders, chondroperichondritis.	LW
Injuries and foreign bodies of ENT organs.	Injuries and foreign bodies of ENT organs.	LW
Tumors of the ear and upper respiratory tract.	Tumors of the ear and upper respiratory tract.	LW
Specific diseases of upper respiratory tract.	Specific diseases of upper respiratory tract.	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 (34)	Classroom for lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations.	<p>Room for conducting lecture and seminar classes, group and individual consultations, current control and intermediate certification.</p> <p>A set of specialized furniture; hardware:</p> <p>Notebook Acer Nitro 5 AN515-58-596N Intel Core I5 12500H</p> <p>Notebook HP ProBook 650 G5</p> <p>Notebook Lenovo IdeaPad 520-15KB 15.6 FHD (1920*1080)</p> <p>Multimedia projector Epson EMP-S1H SVGA 1400 ANSI</p> <p>Multimedia DLP projector VivitekDS262</p> <p>Multimedia projector Acer AS610</p> <p>TV Samsung UE75AU7100UX, 4K Ultra IID</p>
Lab-work (34)	Classroom for laboratory work, individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and equipment.	<p>Optical diagnostic device for otorhinolaryngology: version praktikant</p> <p>Punch laryngeal Kardesa with 9 nozzles</p> <p>maico MA-5202* channel clinical audiometer</p> <p>Simulator for mastering skills in endonasal endoscopic surgery "RINOSIM-2K"</p> <p>Impedancemeter (tympanometer) medical GSI for determining the mobility of the middle ear system, with accessories. Version: GSI 39</p> <p>"Diagnostik Troop LLS dba Grayson Stadler" USA</p> <p>Device for recording auditory evoked potentials and otoacoustic emissions, version ERO SCAN, with accessories.</p> <p>"MAIKO Diagnostic GmbH" Germany</p> <p>Equipment endoscopic Karl Storz for visualization and image processing, with accessories. Headlight illuminator</p> <p>Headlamp</p>

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
		PENTAX fiberscope for respiratory tract examination with accessories, version: nasopharyngo-laryngo fiberscope FNL-10RP3 Light source "PENTAX" for fiberscopes, with accessories, model LH-15OPC ENT combine UE-3000 with accessories Medical equipment for the office of an otolaryngologist MODULA with accessories Laryngostroboscope KS Large tracheotomy set Nilor-MT-TN H4-1MT(B) Set of tuning forks Trainer for ENT14. Russian Federation.
Seminar (34)	Classroom for conducting seminar-type classes, group and individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and technical means for multimedia presentations.	Room for conducting lecture and seminar classes, group and individual consultations, current control and intermediate certification. A set of specialized furniture; hardware: Notebook Acer Nitro 5 AN515-58-596N Intel Core I5 12500H Notebook HP ProBook 650 G5 Notebook Lenovo IdeaPad 520-15KB 15.6 FHD (1920*1080) Multimedia projector Epson EMP-S1H SVGA 1400 ANSI Multimedia DLP projector VivitekDS262 Multimedia projector Acer AS610 TV Samsung UE75AU7100UX, 4K Ultra IID
Self-studies	Classroom for students self-studies (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to the EIOS.	

\* The premises for students' self-studies are subject to **MANDATORY** mention

## 7. RESOURCES RECOMMENDED FOR COURSE STUDY

*Main readings:*

1. Palchun V.T., Kryukov A.I., Magomedov M.M. Otorhinolaryngology: учебник – М.: ГЭОТАР-Медиа, 2020. - 560p.  
[https://mega.rudn.ru/MegaPro/UserEntry?Action=Link\\_FindDoc&id=518636&idb=0](https://mega.rudn.ru/MegaPro/UserEntry?Action=Link_FindDoc&id=518636&idb=0)
2. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Nosebleeds. Teaching aid. - М.: RUDN, 2022. - 24 p.
3. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Chronic tonsillitis. Teaching aid. - М.: RUDN, 2021. - 33 p.
4. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Foreign bodies of ENT organs. Teaching aid. - М.: RUDN University, 2019. - 34 p.
5. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Methods for the study of ENT organs. Teaching aid. - М.: RUDN University, 2018. - 71 p.

*Additional readings:*

1. Otorhinolaryngology: national guidelines/edited by V.T. Palchun. - 2nd ed., revised and enlarged. - Moscow: GEOTAR-Media, 2022. - 1024 p.
2. Karpishchenko S.A. Otorhinolaryngology: textbook - М., Geotar-Media, 2023–480 p.
3. M. V. Nersesyan, V. I. Popadyuk, A. I. Chernolev. Rhinogenic and otogenic intracranial and orbital complications. Study guide. - М.: RUDN, 2023. - 40 p.
4. I.V. Kastyro, V.I. Popadyuk, A.I. Chernolev. Experimental septoplasty. Study guide. - М.: RUDN, 2023. - 33 p.
5. Diseases of the ear, throat, nose in childhood. National guidelines: 2nd ed., revised and enlarged / edited by M.R. Bogomilsky. - М.: GEOTAR-Media, 2021. 1072 p.
6. Popadyuk V.I., Chernolev A.I., Bitsaeva A.V., Novozhilova E.N. Acute and chronic sinusitis (clinic, diagnosis, treatment). Teaching aid. - М.: RUDN University, 2020. - 68 p.
7. Popadyuk V.I., Korshunova I.A., Chernolev A.I. Nose injury. Teaching aid. - М.: Peoples' Friendship University of Russia, 2017. – 29p.
8. Popadyuk V.I., Korshunova I.A., Chernolev A.I. Throat diseases. Angina. Teaching aid. - М.: Peoples' Friendship University of Russia, 2017. - 59 p.
9. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Tracheotomy. Teaching aid. - М.: RUDN, 2017. - 51 p.
10. Popadyuk V.I., Kirichenko I.M. Anatomy, physiology and research methods of the vestibular analyzer. Study guide. - М.: Peoples' Friendship University of Russia, 2016. - 74 p.
11. Popadyuk V.I., Kirichenko I.M. Adenoids in children. Teaching aid. - М.: Russian University of Peoples' Friendship, 2016. - 56 p.

***Internet (based) sources***

- 1. Electronic libraries with access for RUDN students:
  - Electronic library network of RUDN – ELN RUDN <http://lib.rudn.ru/MegaPro/Web>
  - ELN «University Library online» <http://www.biblioclub.ru>
  - ELN Urait <http://www.biblio-online.ru>
  - ELN «Student Advisor» [www.studentlibrary.ru](http://www.studentlibrary.ru)
  - ELN "Znaniy" <https://znaniy.ru/>
- 2. Databases and search engines:
  - Sage <https://journals.sagepub.com/>
  - Springer Nature Link <https://link.springer.com/>
  - Wiley Journal Database <https://onlinelibrary.wiley.com/>
  - Scientometric database Lens.org <https://www.lens.or>

*Learning toolkits for self-studies during the development of the discipline*

1. Lectures Synopsis on the discipline "Histology, embryology, cytology".

2. Methodological guidelines for the implementation and execution of control and independent work on the discipline "Histology, embryology, cytology"

\* - All teaching materials for self-studying of students are placed in accordance with the current procedure on the discipline page in the RUDN LMS TUIS.

### **8. EVALUATION TOOLKIT AND GRADE SYSTEM FOR ASSESSMENT**

Evaluation Toolkit (ET) and a point-rating system (PRS)\* for assessment the level of competence formation (GPC-5, GPC-7, PC-2, PC-3) based on the results of mastering the discipline "Histology, embryology, cytology" are presented in the Appendix to this Work Program of the discipline.

\* - ET and PRS are formed on the basis of the requirements of the relevant local regulatory act of the RUDN

#### **DEVELOPERS:**

Associate Professor of the  
Department of  
otorhinolaryngology

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I.A. Korshunova

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#### **HEAD of the Department:**

of otorhinolaryngology

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V.I. Popadyuk

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#### **HEAD of the Higher Education Program:**

Head of the Department of  
General Medical Practice

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N.V. Sturov

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