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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

course title

Recommended by the Didactic Council for the Education Field of:

31.05.03 DENTISTRY

field of studies / speciality code and title

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

Dentistry

higher education programme profile/specialisation title

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 discipline «**Otorhinolaryngology**» is aimed at the formation of the following competencies of students: **GC-1, GPC-1, PC-1.**

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
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-1	Being able to implement moral standards and legal regulations, ethical and deontological principals in professional activity.	GPC-1.1. Observing bases of medical ethics and deontology; legal bases in healthcare; legal aspects of medical practice. GPC-1.2. Applying ethical standards and principles of a medical worker's behaviour when performing their professional duties; being aware of the latest health legislation when solving professional problems; applying the rules and norms of the doctor's interaction with colleagues and patients (their legal representatives).
PC-1	Being able to make an examination of a patient in order to determine a diagnosis.	PC-1.1. Making an initial examination and/or reexamination of a patient in order to make a preliminary diagnosis. PC-1.2. Receiving information from patients (their relatives/legal representatives); conducting a questionnaire survey of patients regarding their general health status; identifying concomitant diseases in order to make a preliminary diagnosis.

3. THE 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*
GC-1	Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy.	Anatomy, Pathological Anatomy, Normal Physiology, Pathophysiology, Pharmacology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
GPC-1	Being able to implement moral standards and legal regulations, ethical and deontological principals in professional activity.	Psychology and Pedagogy, Psychiatry, Medical Psychology	Faculty Therapy, Faculty Surgery, Oncology, Radiation Therapy, Traumatology and Orthopedics, Pediatrics, Oral and Maxillofacial Surgery, Dentistry
PC-1	Being able to make an examination of a patient in order to determine a diagnosis.	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. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the discipline “**Otorhinolaryngology**” is 2 credits (72 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	
			7	
<i>Contact academic hours</i>		48	48	
Lectures (LC)				
Lab work (LW)		48	48	
Seminars (workshops/tutorials) (S)				
<i>Self-studies</i>		21	21	
<i>Evaluation and assessment (exam/passing/failing grade)</i>		3	3	
Course workload	academic hours	72	72	
	credits	2	2	

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Research methods of ENT – organs.	Research methods of ENT – organs: anterior rhinoscopy, posterior rhinoscopy, pharyngoscope, otoscopy.	LW
Pathology of the nose and paranasal sinuses.	Injuries of the nose and paranasal sinuses. Nosebleeds. Foreign body of the nasal cavity and paranasal sinuses. Acute and chronic rhinitis. Inflammatory diseases of the paranasal sinuses.	LW
Pathology of the pharynx.	Angina, complications of angina. Adenoids. Foreign body of the pharynx.	LW
Pathology of the ear.	Diseases of the external ear. Acute middle ear infections. Mastoiditis. Chronic diseases of the middle ear.	LW
Pathology of the larynx.	Acute diseases of the larynx. Stenosis of the larynx. Tracheotomy.	LW
Tumors of the ear and upper respiratory tract.	Tumors of the ear and 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 REQUIREMENT

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.	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
Lab-work (34)	Classroom for laboratory work, individual consultations, current control and intermediate	Optical diagnostic device for otorhinolaryngology: version praktikant

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
	certification, equipped with a set of specialized furniture and equipment.	Punch laryngeal Kardesa with 9 nozzles maico MA-5202* channel clinical audiometer Simulator for mastering skills in endonasal endoscopic surgery "RINOSIM-2K" Impedancemeter (tympanometer) medical GSI for determining the mobility of the middle ear system, with accessories. Version: GSI 39 "Diagnostik Troop LLS dba Grayson Stadler" USA Device for recording auditory evoked potentials and otoacoustic emissions, version ERO SCAN, with accessories. "MAIKO Diagnostic GmbH" Germany Equipment endoscopic Karl Storz for visualization and image processing, with accessories. Headlight illuminator Headlamp 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	Room for conducting lecture and seminar classes, group and individual consultations, current control and intermediate certification.

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
	of specialized furniture and technical means for multimedia presentations.	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.	

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
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. - M.: 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. - M.: RUDN University, 2020. - 68 p.
7. Popadyuk V.I., Korshunova I.A., Chernolev A.I. Nose injury. Teaching aid. - M.: Peoples' Friendship University of Russia, 2017. – 29p.
8. Popadyuk V.I., Korshunova I.A., Chernolev A.I. Throat diseases. Angina. Teaching aid. - M.: Peoples' Friendship University of Russia, 2017. - 59 p.
9. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Tracheotomy. Teaching aid. - M.: RUDN, 2017. - 51 p.
10. Popadyuk V.I., Kirichenko I.M. Anatomy, physiology and research methods of the vestibular analyzer. Study guide. - M.: Peoples' Friendship University of Russia, 2016. - 74 p.
11. Popadyuk V.I., Kirichenko I.M. Adenoids in children. Teaching aid. - M.: 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
 - 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.org>

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 (part of competencies) 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

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