Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
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:

31.05.01 General Medicine
field of studies / speciality code and title

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

General Medicine
higher education programme profile/specialisation title

1. COURSE GOAL(s)

The goal of the course "Otorhinolaryngology" is to equip students with the knowledge and methods necessary for examining ENT organs, to teach diagnosis, treatment, prevention and rehabilitation of ear, nose and throat diseases.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) "Otorhinolaryngology" is aimed at the development of the following competences /competences in part: **GPC-1, GPC-7, PC-2, PC-3**.

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

Competence code	Competence descriptor	Competence formation indicators (within this course)
GPC-1	Being able to implement moral and legal norms, ethical and deontological principals in professional activity	GPC-1.1. Being able to abide by the ethical standards and legal regulations in professional activity.
		GPC-1.2. Being able to present professional information in the process of intercultural interaction observing the principles of ethics and deontology.
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.
		GPC-7.2. Being aware of the algorithm for making a preliminary diagnosis with the subsequent referral of the patient to the relevant medical specialist.
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).

Competence code	Competence descriptor	Competence formation indicators (within this course)
		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 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.
		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).

Competence code	Competence descriptor	Competence formation indicators (within this course)
PC-3	Being able to prescribe treatment and monitor its efficacy and safety	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.
		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.
		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.

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the <u>core</u>/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

Compet ence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
GPC-1	Being able to implement moral and legal norms, 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
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. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course "Otorhinolaryngology" is 4 credits (144 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	
		8	
Contact academic hours	90	90	
including:			

Type of academic activities	Total academic hours	Semesters/training modules	
		8	
Lectures (LC)			
Lab work (LW)	**90**	**90**	
Seminars (workshops/tutorials) (S)			
Self-studies	*48*	*48*	
Evaluation and assessment (exam/passing/failing grade)	*6*	*6*	
Course workload academic hours	**144**	**144**	
credits	**4**	**4**	

* To be filled in regarding the higher education programme part-time training mode.

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.	Acute and chronic diseases of the nasal cavity.Injuries of the nose and paranasal sinuses. Nosebleeds. Foreign body of the nasal cavity and paranasal sinuses. Inflammatory diseases of the paranasal sinuses.	LW
Pathology of the pharynx.	Angina, complications of angina. Chronic tonsillitis. Foreign body of the pharynx. Adenoids.	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.	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	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 HP ProBook 650 G5 (1J5S4EA), Multimedia DLP projector VivitekDS262 •
Lab-work	Classroom for laboratory work, individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and equipment.	Optical diagnostic device for otorhinolaryngology: version praktikant 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.
Seminar	Classroom for conducting seminar-type classes, group and individual consultations, current control and intermediate certification, equipped with a set of specialized furniture and	Room for conducting lecture and seminar classes, group and individual consultations, current control and intermediate certification. A set of specialized furniture; hardware: Notebook HP ProBook

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
	technical means for multimedia presentations.	650 G5 (1J5S4EA), Multimedia DLP-projector VivitekDS262 • list of specialized equipment, visual posters, etc.
Computer lab	A computer class for conducting classes, group and individual consultations, current control and intermediate certification, equipped with computers, a whiteboard (screen) and technical means for multimedia presentations.	Notebook Lenovo ldeaPad 520-15KB 15.6 FHD (1920*1080) IPS nonGLARE/Intel Core i5-7200U 2.50GHz Dual/8Gb/1Tb/GF 940MX 2GB, 80YL001URK

Multimedia projector Epson EMP-S1H SVGA 1400 ANSI 800*600 (1024*768) 400*1 3.2 kg sch.1273 |
| 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. V.T. Palchun, M.M. Magomedov, L.A. Luchikhin. Otorhinolaryngology, educational literature for med.vuzov, 3 nd ed. M., "Geotar-Media", 2014 - 584 p.
2. V.T. Palchun, M.M. Magomedov, L.A. Luchikhin. Otorhinolaryngology, educational literature for med.vuzov, 3 d ed. - M., "Geotar-Media", 2016 – 584 p.
3. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Tracheotomy. Teaching aid. - M.: RUDN, 2017. - 51 p.
4. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Methods for the study of ENT organs. Teaching aid. - M.: RUDN University, 2018. - 71 p.
5. Popadyuk V.I., Chernolev A.I., Korshunova I.A., Bitsaeva A.V. Foreign bodies of ENT organs. Teaching aid. - M.: RUDN University, 2019. - 34 p.

Additional readings:
1. Bogomilsky M.R., Chistyakova V.R. Diseases of the ear, throat, nose in childhood. National leadership. Short edition. M. Medicine, 2015.
2. Palchun V.T. Diseases of the ear, nose and throat, textbook. "Geotar-Media", 2010.

3. Atlas of Otorhinolaryngology. Thomassin J.M. 2002.
4. Atlas of operative otorhinolaryngology. Ed. Pogosova V.S. M.: Medicine, 1983.
5. Popadyuk V.I., Kirichenko I.M. Anatomy, physiology and research methods of the vestibular analyzer. Teaching aid. – M.: Russian Peoples' Friendship University, 2016. - 74 p.
6. Popadyuk V.I., Kirichenko I.M. adenoids in children. Teaching aid. - M .: Russian University of Peoples' Friendship, 2016. - 56 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., Bitsaeva A.V., Novozhilova E.N. Acute and chronic sinusitis (clinic, diagnosis, treatment). Teaching aid. - M.: RUDN University, 2020. - 68 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 «Lan» http://e.lanbook.com/

- 2. Databases and search engines:
     - electronic fund of legal and regulatory and technical documentation http://docs.cntd.ru/
     - search system Yandex https://www.yandex.ru/
     - search system Google https://www.google.ru/
     - abstract database SCOPUS http://www.elsevierscience.ru/products/scopus/

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

     The set of lectures on the course "Otorhinolaryngology"

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 (**GPC-1, GPC-7, PC-2, PC-3**) 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:

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