**Kharkiv national medical university**

**Dentistry faculty**

**Otorhinolaryngology department**

**Otorhinolaryngology**

**Educational program for education of specialists of the second (master's)**

**level of higher education course 22 "Medicine"**

**in specialty 222 "Medicine"**

**SYLLABUS OF EDUCATIONAL COURSE**

**OTORHINOLARYNGOLOGY**

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| Syllabus of the academic discipline was approved at the meeting of the Otorhinolaryngology Department  Protocol from  "28" August 2020 No. 1  Head of the otorhinolaryngology department  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ass.prof Lupyr A.V. (signature) (surname)  “\_\_\_\_”\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2020 |  | Approved by the KhNMU Methodological Commission on the Problems of Professional Educational in surgical profile  Protocol from  "28" August 2020 No. 1  The head of the Methodological Committee of the KhNMU on the problems of professional education in surgical profile  \_\_\_\_\_\_\_\_\_\_\_\_ prof. Syplyviy V.О. (signature) (surname)  “\_\_\_”\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2020 |

**Kharkiv – 2020**

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**Information about teachers:**

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| Schedule of the classes | According to the schedule of the educational department |
| Consultations | Wednesday 14.00-17.00, lecture audience of the otorhinolaryngology department |

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| Timetable of the classes | According to the schedule of the educational department |
| Consultations | Tuesday 09.00-14.00, lecture audience of the otorhinolaryngology department |

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| Timetable of the classes | According to the schedule of the educational department |
| Consultations | Wednesday 09.00-14.00, lecture audience of the otorhinolaryngology department |

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| Timetable of the classes | According to the schedule of the educational department |
| Consultations | Thursday 13.00-16.00, lecture audience of the otorhinolaryngology department |

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| Timetable of the classes | According to the schedule of the educational department |
| Consultations | Tuesday 14.00-17.00, lecture audience of the otorhinolaryngology department |

**Telephone number, E-mail address of the department:** (057)704-70-08, lor.hnmu@gmail.com

Full-time consultations schedule and place according to the schedule of the department.

On-line consultations, schedule and place by prior arrangement with the teacher.

Location: classes are held on the base of the Municipal Non-Profit Enterprise of the Kharkiv Regional Council “Regional Clinical Hospital”

**Information about educational course**

|  |  |  |  |
| --- | --- | --- | --- |
| Name of indices | Branch of knowledge, direction of training, educational-qualification level | Characteristics of the course | |
| Day tuition | |
| Number of credits – 3 | Direction of training  22 «Medicine» | Standard | |
| Total number of hours - 90 | Specialty 222 «Medicine» | **Year of study:** | |
| IV-th | |
| **Term** | |
| VII-th | VIII-th |
| **Lectures** | |
| Number of hours for day tuition:  Practical classes – 40,  Independent work - 50 | Educational-qualification level:  «second (master’s) level» | 6 hours | |
| **Practical classes** | |
| 34 hours | |
| **Independent work** | |
| 50 hours | |
| Type of control: grading test | |

The educational program of higher education in Ukraine, the second (master's) level, educational qualification, assigned - the technical branch of knowledge - 22 "Health", specialty 222 "Medicine" is compiled on the basis of the Law of Ukraine "Higher Education" and the Resolution of the Cabinet of Ministers of Ukraine dated 01.02 .2017 No. 53 "On Amendments to the Resolution of the Cabinet of Ministers of Ukraine dated April 29, 2015 No. 266", in accordance with the order of the Ministry of Education and Science of Ukraine dated June 01, 2016 No. 600 "On Approval and Implementation of Methodological Recommendations on development of higher education standards ”.

The program of the course determines the prerequisites for access to learning, orientation and the main focus of the program, the amount of ECTS credits required to obtain an educational master's degree, a list of general and special (professional) competencies, the normative and variable content of specialist training, formulated in terms of learning outcomes and control requirements quality of higher education.

The department accepts qualified students of any race, national or ethnic origin, gender, age, persons with special needs, any religion, sexual orientation, gender identity, veteran status or marital status for all rights, privileges, programs and activities provided to university students.

Page of educational course in Moodle: http://31.128.79.157:8083/course/index.php?categoryid=35

**Describing of educational course (annotation).**

Otorhinolaryngology is a clinical discipline that studies the morphology, physiology, and pathology of the upper respiratory tract and ear. Modern otorhinolaryngology is engaged in the diagnosis and treatment of both acute and chronic diseases of the ENT organs and adjacent areas. Most of these pathological conditions require surgical treatment: on the ear, the nasal cavity, the paranasal sinuses, the pharynx, the larynx and the trachea. Endoscopic methods of examination and treatment of diseases of ENT organs are widely used. A large number of operations and manipulations, in particular on the ear and larynx, are performed using an operating microscope.

Otorhinolaryngology plays important social role. It studies the functions of most count of sensory systems (auditory, vestibular, olfactory and gustatory). Disruption of the normal functioning of these sensory systems significantly affects the quality of life of people, their professional activities.

There is often the possibility of severe complications that often threaten the health and life of patients, given to the close anatomical, topographic and reflex connections with other organs.

The object of activity is the preservation of health, prevention and treatment of ENT diseases.

The theoretical content of the subject area: knowledge on the prevention, diagnosis and treatment of ENT diseases.

Methods and techniques: anamnestic, clinical, laboratory, instrumental diagnostic methods, determining the leading symptoms and syndromes, determining the preliminary and clinical diagnosis of ENT diseases and emergency conditions; their diagnosis, treatment and prevention.

Tools and equipment (objects/subjects, devices that the applicant for higher education study to apply and use): modern diagnostic, medical and other equipment, objects and devices for professional activities.

Syllabus ordered using modern pedagogical principles of organizing the educational process of higher education.

The subject of study of the discipline is a variety of pathological conditions and diseases of the ENT organs.

Interdisciplinary connections: otorhinolaryngology is closely related to disciplines: anatomy, physiology, histology, biochemistry, pathomorphology, pathological physiology, medical genetics, internal medicine, neurosurgery, ophthalmology, maxillofacial surgery, general surgery, oncology, infectious diseases.

Prerequisites. The study of the discipline involves the preliminary mastering of credits in otorhinolaryngology.

Post-requisites. The main provisions of the academic discipline should be applied in the study of special disciplines.

**Aim:** to provide education of highly qualified specialists in the field of medicine, in otorhinolaryngology, capable of solving complex problems of diagnosis, treatment and prevention of diseases.

**The main objectives** of the course are the acquisition of competencies by students in accordance with the general and professional competencies of the educational and professional program "Medicine" of the second level of higher education in the specialty 221 Dentistry (course "Otorhinolaryngology")

* Integral competences:

the ability to solve typical and complex specialized tasks and practical problems in professional activities in the health care, or in the learning process, involves research and / or innovation and is characterized by the complexity and uncertainty of conditions and requirements.

* General competences:

the ability to abstract thinking, analysis and synthesis, the ability to learn and be modernly trained; the ability to apply knowledge in practical situations; knowledge and understanding of the subject area and understanding of professional activities; the ability to adapt and act in a new situation; the ability to make an informed decision; work in a team; interpersonal skills; the ability to communicate in the state language both orally and in writing; the ability to communicate in a foreign language; skills in the using of information and communication technologies; certainty and perseverance in the tasks and responsibilities taken; the ability to act in a socially responsible and conscious manner.

* Professional competence in the otorhinolaryngology:

Polling skills; the ability to determine the required list of laboratory and instrumental tests and assess their results; the ability to establish a preliminary and clinical diagnosis of the disease; the ability to determine the required mode of work and rest, the nature of nutrition in the treatment of diseases; the ability to determine the principles and nature of the treatment of diseases; the ability to diagnose emergency conditions; ability to determine tactics and skills in providing emergency medical care; skills in performing medical procedures; the ability to plan and conduct sanitary and hygienic, preventive and anti-epidemic measures, including for infectious diseases; the ability to determine the tactics of conducting persons subject to dispensary observation; ability to maintain medical records.

The study of this course forms social skills among applicants of education:

• communicativeness (realized by: the method of working in groups and brainstorming in the analysis of clinical cases, the method of presenting the results of independent work and their protection in a group)

• teamwork (realized by: group work method and brainstorming in the analysis of clinical cases),

• conflict management (realized by: business games),

• time management (realized by: the method of self-organization in classroom work in groups and independent work),

• leadership skills (realized by: the method of presentation of the results of independent work in a group).

**Discipline status:** the main format of the discipline is mixed - the course, which is supported in the Moodle system, teaching the course, provides for a combination of traditional forms of classroom studding with elements of distance studding, which uses available information interactive technologies (ZOOM, Moodle), resident and correspondence counseling.

**Education methods.** To conduct classes, clinical (supervision of patients with ENT pathology), phantom, electronic information (presentations, video materials, guidelines, lectures), scientific (participation in scientific developments in the course), control (tests, situational tasks, assessment of practical skills, protection of a clinical case).

**Results of the education**.

The course contains the main aspects of training a future ENT or family doctor.

According to the educational program for the academic course "Otorhinolaryngology", an applicant for higher education will acquire theoretical knowledge, methodological education, practical skills in the following areas:

• Clinical anatomy, physiology, examination methods of ENT organs.

• Diseases of the ear.

• Diseases of the upper respiratory tract.

• Emergency care for diseases of ENT organs.

**Structure of discipline**

Plan of the course.

|  |  |  |
| --- | --- | --- |
|  | Anatomy, physiology and methods of examination of the outer, middle, inner ear. Ear injuries. Wax plugs. Furuncle, otitis externa. Acute otitis media. Secretory otitis. | 4 |
|  | Mastoiditis. Chronic otitis: mesothympanitis, epitympanitis, cholesteatoma. Otogenic intracranial complications: meningitis, otogenic abscesses of the cerebral hemispheres and cerebellum, sigmoid sinus thrombosis. | 5 |
|  | Anatomy, physiology and methods of examination of the nose and paranasal sinuses. Diseases of the nose (defects and deformities of the outer nose, furuncle). Diseases of the nasal cavity (acute and chronic rhinitis). Deviation of the nasal septum. Nasal bleeding. | 5 |
|  | Anatomy of the paranasal sinuses. Acute rhinosinusitis. Chronic rhinosinusitis. Rhinogenic infraorbital complications: osteoperiostitis of the orbital wall, optic neuritis, reactive eyelid edema, subperiosteal abscess, retrobulbar abscess, orbital phlegmon, panophthalmitis. Rhinogenic intracranial complications: arachnoiditis, serous and purulent meningitis, epidural and subdural abscesses, frontal brain abscess, dura mater thrombosis, rhinogenic sepsis. | 5 |
|  | Anatomy of the pharynx. Acute and chronic diseases of the pharynx: acute pharyngitis, chronic pharyngitis, acute tonsillitis, paratonsillitis, pharyngeal abscess, cellulitis of the neck, diphtheria, mononucleosis, lymphoid tissue hypertrophy, adenoids, chronic tonsillitis, tumors. Curation of the patients. | 5 |
|  | Anatomy of the larynx. Acute and chronic diseases of the larynx: laryngeal injuries, laryngeal foreign bodies, laryngeal edema, laryngeal stenosis, tracheotomy, acute laryngitis, acute subchordal laryngitis (false croup), laryngeal diphtheria (true croup), laryngeal tonsillitis, acute phlegmonous laryngitis, acute chondroperichondritis of the larynx, laryngeal paresis, laryngeal tumors. | 5 |
|  | Emergency care in ENT: stenosis, tracheotomy, injuries, foreign bodies, nasal bleeding.  Differential credit. | 5 |
| Total | | 34 |

**Practical training topics**

1. **Clinical anatomy, physiology, research methods of ENT organs**. Endoscopic examination of ENT organs. Clinical anatomy, physiology and examination of the outer and middle ear. Clinical anatomy, physiology of the inner ear, methods of examination of the auditory and vestibular sensory systems. Clinical anatomy, physiology and examination of the nose, pharynx, larynx, trachea, bronchi, esophagus.

2. **Diseases of the ear**. Diseases of the outer and middle ear. Acute suppurative otitis media. Mastoiditis. Antromastoidectomy. Chronic suppurative otitis media, labyrinthitis. Sanitizing and hearing-related ear surgery. Non-suppurative ear diseases.

3. **Diseases of the upper respiratory tract**. Acute and chronic diseases of the nose. Acute and chronic diseases of the paranasal sinuses. Rhinogenic orbital and intracranial complications. Acute diseases of the pharynx. Chronic diseases of the pharynx. Acute and chronic diseases of the larynx. Tumors and infectious granulomas of the ENT organs.

4. **Emergency care for diseases of the ENT organs**. Injuries to the nose, nosal bleedings. Laryngeal stenosis. Foreign bodies of ENT organs, respiratory tract and esophagus.

**Recommended literature**

**Basic**

1. Отогенные внутричерепные осложнения и отогенный сепсис. Риногенные орбитальные и внутричерепные осложнения.: метод. рекомендации. - Киев,1989.
2. Оториноларингология. Д.И. Заболотный, Ю.В. Митин, С.Б. Безшапочный, Ю.В. Деева. – К.: ВСИ «Медицина», 2010. – 496 с. + 32 с. цв. вкл.
3. Оториноларингологія / За ред. Д.І. Заболотний, Ю.В. Мітін, В.Д. Драгомирецький. – К.: „Здоров’я”, 1999. – 368 с.
4. Оториноларингологія. Д.І. Заболотний, Ю.В. Мітін, С.Б. Безшапочний, Ю.В. Дєєва. – К.: ВСВ «Медицина», 2010. – 472 с. + 32 с. кольор. вкл.
5. Посібник до практичних занять з оториноларингології. За ред. Ю.В.Мітіна. – К.; Здоров’я, 2002.
6. Улоза В.Д. Атлас болезней гортани.-Вильнюс: Мокслас, 1996.-203 с.
7. Французов Б.Л., Французова С.Б. Лекарственная терапия заболеваний уха, горла и носа.-Киев.:Здоров'я, 1981
8. Хронический тонзиллит. В.А. Пока. Кишинев «Штиинца», 1984. – 252 с.
9. Абизов Р.А. Онкоотоларингологія.- Київ: «Книга плюс», 2001.- 272 с.
10. Антонів В.Ф., Заболотний Д.І., Прокопів І.М. Новоутворення вуха.-Київ: “Здоров’я”, 1997.-184 с.
11. Бабияк В.И., Ланцов А.А., Базаров В.Г. Клиническая вестибулология.- Санкт-Петербург: «Гиппократ», 1996.- 336 с.
12. Базаров В.Г., Розкладка А.И. Исследование вестибулярной функции в условиях поликлиники и стационара: Метод. Рекомендации, 1998.
13. Воспалительные и аллергические заболевания носа и околоносовых пазух. М.С. Плужников, Г.В. Лавренова, - К.: «Здоровья», 1990. – 142 с.

**Subsidiary**

1. Драгомирецкий В.Д. Паратонзиллиты: Метод.рекомендации, Одесса,1982.
2. Заболотний Д.І., Мітін Ю.В, Драгомирецький В.Д- Оториноларингологія — К.: Здоров'я, 1999. — С. 177—201.
3. К.Дж.Ли Отоларингологія і хірургія голови та шиї.- Київ: «Здоров’я», 1995.
4. Курилин И.А., Горбачевский В.Н. Папилломатоз гортани.-Киев: Здоров'я,1972.
5. Лайко А.А., Заболотний Д.І., Синяченко В.В. Обсяг і методики обстеження об’єктивного статусу дітей з ЛОР-патологією.-К.: Логос, 2000.- 140 с.
6. Лайко А.А., Заболотный Д.И., Лайко В.А. Рецидивирующий средний отит.- К.: Логос,2001.-148 с.
7. Лекции по оториноларингологии. В.Ф. Филатов. – Х.: ХГМУ, 1999. – 60 с.
8. Люлько В.К., Марченко В.М. Атлас операций на ухе.-Киев: Здоров'я, 1989.
9. Методичні рекомендації для самопідготовки студентів до практичних занять з оториноларингології (за редакцією Ю.В.Мітіна).-Київ,1992.
10. Митин Ю.В., Власюк А.Н., Васильев В.М., Федун Н.Ф., Юрьев Л.П. Носовое кровотечение и эндоназальные хирургические методы его остановки.- Киев, 1995.
11. Митин Ю.В., Розенфельд Л.Г., Подворный В.Н. Неионизирующие методы лучевой диагностики заболеваний околоносовых пазух.- Киев,1994.
12. Митин Ю.В., Цымбалюк В.М., Власюк А.Н., Фенниш Н. Отогенные и риногенные внутричерепные осложнения.-Киев, 1993.
13. Мітін Ю.В. Оториноларингологія.- Київ, «Фарм Арт», 2000.- 304 с.
14. Мітін Ю.В. Оториноларингологія.(лекції)- Київ, «Фарм Арт», 2000.- 304 с.
15. Мітін Ю.В. Тестові завдання для самоконтролю знань студентів з оториноларингології.- Київ,1996.
16. Мітін Ю.В., Васильєв М.В., Заболотний Д.І. та ін. Посібник для практичних занять з оториноларингології.- К.: Здоровя, 2002.- 168 с.
17. Мітін Ю.В., Юр'єв Л.П., Гладуш Ю.І. Передракові захворювання ЛОР органів: Метод.посібник.-Київ,1992.
18. Мостовой С.И., Евдощенко Е.Н. и др. Хронический тонзиллит (диагностика и консервативное лечение).-Киев: Здоров'я, 1983.
19. Обсяг і методики обстеження об'єктивного статусу дітей з ЛОР-патологією. Навчальний посібник. А.А. Лайко, Д.І.Заболотний, В.В. Синяченко. – К.: «Логос», 2000. - 140 с.
20. Andre Leblanc. Atlas of hearing and balance organs. Springer – Verlag France, 1999. – 58 p.
21. Atlas of human anatomy by Frank H. Netter, M.D. Sharon Colacino, Ph.D Consalting Editor. – Summit, New Jersey. – 1992. – 514 p.
22. Charles M. Myer III, Robin T. Cotton. A practical approach to pediatric otolaryngology. – Chicago – London – Boca Raton. Year Book Medical Publishers Inc., 1988. – 247 p.
23. Chaurasias B. D. Human Anatomy – Regional and Applied: In 3 parts; 3rd ed. – New – Delphi: CBS Publishers and Distributors, 1997. – Vol III. –332 p.
24. Dhinga P. L. Diseases of esr, nose and throat: 2nd ed. – New Delhi: D/S/ Churchill Livingstone Pvt Ltd., 1998. – 434 p.
25. Marshall  G. D. Therapeutc options in allergic desease; Antihistamines as systemic antiallergic agents. J. Allergy Clin. Immunol., 2000, 106, p303-3
26. Otorhinolaryngology. Y.Mitin, Y.Deyeva, M.Zavaliy, Y.Gomza, V.Didkovskyi, L.Krynychko, O.Motaylo, Z.Tereshchenko, Y.Shevchuk. Editer by Professor Y.Mitin, Y.Deyeva. Associate Professor Y. Deyeva. Second edition, revised and expanded. Kyiv, AUS Medicine Publishing, 2011.
27. Takafuji  S., Nakagawa  T. Air pollution and allergy. J. Investig. Allergol. Clin. Immunol. 2000, 10, p5-10.
28. Togias  A. G. Sistemic immunologic and inflammatory aspects of allergic rhinitis. J. Allergy Clin. Immunol., 2000, 106, p247

**Course politics and values.**

**Academic expectations of students and female students. Course requirements.**

Students and female students are expected to attend all lectures and workshops. If they missed classes, it is necessary to complete it (according to the schedule at the information stand of the department).

Written and homework assignments must be completed in full and on time, if students / female students have questions, they can contact the teacher personally.

During the lecture, students and female students are encouraged to take notes of the lesson and maintain a sufficient level of silence. Asking questions to the lecturer is absolutely normal.

**Practical classes**

Active participation in the discussion in the classroom, students / female should be ready to understand in detail the material, ask questions, express their point of view, discuss. During the discussion, the following are important:

- respect for colleagues,

- tolerance towards others and their experiences,

- sensitivity and impartiality,

- the ability to disagree with opinions, but respect the personality of the opponent,

- careful argumentation of your opinion and the courage to change your position under the influence of evidence,

- “I am” a statement when a person avoids unnecessary dressing up, describes his feelings and formulates his wishes based on his own thoughts and emotions,

- compulsory acquaintance with primary sources.

Creative approach in its various forms is encouraged. Students are expected to be interested in participating local, all-Ukrainian and international conferences, competitions and other events with a subject profile.

Students can discuss various tasks, but their implementation is strictly individual. Cheating, using various software tools, prompts, using a mobile phone, tablet or other electronic gadgets during the class for purposes not related to the educational process are not allowed. Students are not allowed to be late for practical classes.

Visiting patients during supervision in the hospital is possible, provided that students have the appropriate uniform, a health book with a mark about vaccination against diphtheria, results of a test for immunity with measles (or a mark about vaccination), or other infectious diseases according to the current epidemic situation.

Students with special needs can meet with the teacher or warn him before the start of classes, at the request of the student this can be done by the head of the group. If you have any questions, please contact the teacher.

Students are encouraged to participate in scientific research and conferences on this topic.

All students of KhNMU are protected by the Regulation on the Prevention, Prevention and Management of Cases of Sexual Harassment and Discrimination at Kharkiv National Medical University, designed to determine an effective mechanism for resolving conflict situations related to discrimination and sexual harassment. This Regulation was developed on the basis of such regulatory legal acts of Ukraine: the Constitution of Ukraine; Law of Ukraine "On Education"; Law of Ukraine "On Higher Education"; Law of Ukraine "On the principles of preventing and combating discrimination in Ukraine"; Law of Ukraine "On ensuring equal rights and opportunities for women and men"; Convention for the Protection of Human Rights and Fundamental Freedoms; The Convention against Discrimination in Education; The Convention on the Elimination of All Forms of Discrimination against Women; General Recommendation No. 25 to article 4, paragraph 1, of the Convention on the Elimination of All Forms of Discrimination against Women; General Comment No. 16 (2005) “Exactly for men and women the right to enjoy economic, social and cultural rights” (Article 3 of the International Covenant on Economic, Social and Cultural Rights; UN Committee on Economic, Social and Cultural Rights) Recommendations on education in the spirit international understanding, cooperation and peace and education in the spirit of respect for human rights and fundamental freedoms (UNESCO) Concept of the State social program for ensuring equal rights and opportunities for women and men for the period until 2021. Kharkiv National Medical University provides education and employment free from discrimination, sexual harassment, intimidation or exploitation. The university recognizes the importance of confidentiality. All persons responsible for the implementation of this policy (employees / -these dean's offices, faculties, institutes and the Center for Gender Education, members of the student government and ethics committee, vice-rector for scientific and pedagogical work) respect the confidentiality of persons who report or are accused of discrimination or sexual harassment (excluding situations where legislation requires the disclosure of information and / or when disclosure of circumstances by the University is necessary to protect the safety of others).

KhNMU creates a space of equal opportunities, free from discrimination of any national, racial or ethnic origin, gender, age, disability, religion, sexual orientation, gender, or marital status. All rights, privileges, programs and activities that are granted to students / female students or university staff apply to all, without exception, subject to proper qualifications. The anti-discrimination policy and the policy of counteracting sexual harassment of KhNMU is confirmed by the Code of Corporate Ethics and the Charter of KNMU.

**Classroom Behavior (Basic "yes" and "no")**

It is important for students to follow the rules of proper conduct at the university. These rules are general for everyone, they also apply to the entire faculty and staff, and do not fundamentally differ from generally accepted norms.

During classes it is not prohibited:

- to leave the audience for a short time if necessary and with the permission of the teacher;

- drink soft drinks;

- take pictures of presentation slides;

- actively participate in the lesson

Prohibited:

- to eat (except for persons whose special medical condition requires another - in this case, medical confirmation is required)

- to smoke, consume alcoholic and even low-alcohol drinks or drugs;

- to use obscene language or use words that offend the honor and dignity of colleagues and faculty;

- to play gambling;

- to damage the material and technical base of the university (damage inventory, equipment; furniture, walls, floors, litter premises and territories)

- to make noise, shout or listen to loud music in classrooms and even corridors during class.

**Plagiarism and academic virtue**

The Otorhinolaryngology department maintains zero tolerance for plagiarism. Students and female students are expected to want to continually raise their own awareness in academic writing. In the first lessons, informational events will be held on what exactly is considered plagiarism and how to correctly carry out an experimental scientific search.

**Occupational Safety and Health**

At the first class of the course, the basic principles of labor protection will be explained by conducting appropriate instructions. It is expected that each and every one should know where the emergency exit closest to the audience is, where the fire extinguisher is located, how to use it, and the like.

**The procedure for informing about changes in the Syllabus:** the necessary changes in the Syllabus are approved by the methodological commission of the KhNMU on the problems of professional education of the surgical profile and are published on the website of the KhNMU, the website of the otorhinolaryngology department of the KhNMU.

**Assessment Policy**

To receive credit for the course Otorhinolaryngology, you must attend all practical classes, have the necessary level of knowledge on the topics of the classes, the ability to answer the question from the license exam KROK - 2 from the course Otorhinolaryngology. The number of points received by the student for the course depends on the level of knowledge, the degree of mastery of practical skills.

- Current - current educational activity.

- Final - differential credit.

**Assessment of individual student assignments.** The current educational activities of students are monitored in practical classes in accordance with specific goals. The following means of checking the level of education are used: input and output test control of the level of knowledge, oral questioning, computer tests, solving situational problems, supervising case patients, interpretation of laboratory and special research data characterizing the functional state of the upper respiratory tract and ear, control of practical skills, etc.

**Differentiated credit** iscarried out by the teacher of the academic group at the last lesson of the course. Admission to the test is determined in points of the current educational activity, namely: a minimum of 70 points, a maximum of 120 points. Directly differentiated credit is assessed: minimum - 50 points, maximum - 80 points. Assessment from the course and the amount of points for current educational activities and differential credit in points: minimum - 120 points, maximum - 200 points and corresponds to the national scale and the ECTS scale.

When assessing the assimilation of each academic topic of the course (**ATC**) and the final class (**FC**), the student is given an assessment according to the traditional 4-point system: "excellent", "good", "satisfactory" and "unsatisfactory".

The final score for the current studding activity (**CSA**) and final class (**FC**) is determined as the arithmetic mean of traditional grades for each lesson and FC, rounded to 2 decimal places and listed in a multi-point scale according to tables 1.

Recalculation of the average grade of CSA and software for course that end with differential. credit, is carried out in accordance with table 1. The minimum number of points that a student must score for admission to differential. credit - 70 points, the minimum positive mark for differential offset, respectively is 50 points, maximum - 80 points. The maximum number of points in a course is determined as the sum of points for the CSA and differential credit and is 200 points, the minimum is 120 points.

Table 1

**Recalculation of the average mark for current studding activity in a multi-scale**

**(for courses ending with a grading test)**

| 4-point scale | 120-point scale |  | 4-point scale | 120-point scale |
| --- | --- | --- | --- | --- |
| 5 | 120 | 3.91-3,94 | 94 |
| 4.95-4,99 | 119 | 3.87-3,9 | 93 |
| 4.91-4,94 | 118 | 3.83- 3,86 | 92 |
| 4.87-4,9 | 117 | 3.79- 3,82 | 91 |
| 4.83-4,86 | 116 | 3.74-3,78 | 90 |
| 4.79-4,82 | 115 | 3.7- 3,73 | 89 |
| 4.75-4,78 | 114 | 3.66- 3,69 | 88 |
| 4.7-4,74 | 113 | 3.62- 3,65 | 87 |
| 4.66-4,69 | 112 | 3.58-3,61 | 86 |
| 4.62-4,65 | 111 | 3.54- 3,57 | 85 |
| 4.58-4,61 | 110 | 3.49- 3,53 | 84 |
| 4.54-4,57 | 109 | 3.45-3,48 | 83 |
| 4.5-4,53 | 108 | 3.41-3,44 | 82 |
| 4.45-4,49 | 107 | 3.37-3,4 | 81 |
| 4.41-4,44 | 106 | 3.33- 3,36 | 80 |
| 4.37-4,4 | 105 | 3.29-3,32 | 79 |
| 4.33-4,36 | 104 | 3.25-3,28 | 78 |
| 4.29-4,32 | 103 | 3.21-3,24 | 77 |
| 4.25- 4,28 | 102 | 3.18-3,2 | 76 |
| 4.2- 4,24 | 101 | 3.15- 3,17 | 75 |
| 4.16- 4,19 | 100 | 3.13- 3,14 | 74 |
| 4.12- 4,15 | 99 | 3.1- 3,12 | 73 |
| 4.08- 4,11 | 98 | 3.07- 3,09 | 72 |
| 4.04- 4,07 | 97 | 3.04-3,06 | 71 |
| 3.99-4,03 | 96 | 3.0-3,03 | 70 |
| 3.95- 3,98 | 95 | Less than 3 | Insufficient |

Students who have completed all types of work stipulated by the curriculum and, when studying the sections, scored a number of points not less than the minimum are allowed to the differential credit.

The form of differential credit is standardized and includes control of theoretical (test control) and practical training (demonstration of student's skills at the patient's bedside, solving structured situational tasks, performing manipulations).

Test control includes 10 test items.

Students' implementation of practical skills at the patient's bedside (assessment of the patient's general condition, analysis of anamnesis data, objective examination and determination of clinical changes on the part of organs and systems, objective examination and determination of clinical changes on the part of ENT organs, substantiation of a preliminary diagnosis, prescription of treatment, determination of emergency help, etc.).

Solution of a complex structured situational problem, including interpretation of laboratory and instrumental examination data, substantiation of a clinical diagnosis, determination of therapeutic tactics, prescribing treatment or providing emergency assistance.

Differentiated credit is a process during which the received for the course (semester) are checked:

- the level of theoretical knowledge;

- development of creative thinking;

- skills of independent work;

- competencies - the ability to synthesize the knowledge gained and apply it in solving practical problems.

Differentiated credit is carried out by the group teacher at the last practical lesson.

Mark in course is a current educational activity (consists of the total number of points during the academic semester, which can be estimated from 70 to 120 points) + differential credit (consists of an assessment of practical skills, laboratory and instrumental research methods and solving situational problems) = 120 reputation 80 points = 200 points.

Table 2

**Correspondence of marks on a 200-point scale, a four-point "national" scale and ECTS scale**

|  |  |  |
| --- | --- | --- |
| Mark  in 200-point scale | Mark in ECTS scale | Mark in 4-point (national) scale |
| From 180 to 200 points | A | Excellent |
| From 160 to 179 points | B | Good |
| From 150 to 159 points | C | Good |
| From 130 to 149 points | D | Satisfactory |
| From 120 to 129 points | E | Satisfactory |
| Less then 120 points | F, Fx | Unsatisfactory |

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