Appendix number 1.5 to The Rector UR Resolution No. 12/2019

SYLLABUS

**concerning the cycle of education 2022-2028**

(date range)

* 1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

|  |  |
| --- | --- |
| Subject / Module | Ophthalmology |
| Course code / module \* | Ok/F |
| Faculty of (name of the leading direction) | College of Medical Sciences, University of Rzeszów |
| Department Name | College of Medical Sciences, University of Rzeszów |
| Field of study | medical direction |
| Level of education | uniform master's studies |
| Profile | practical |
| Form of study | stationary / extramural |
| Year and semester | year IV, semester VII, VIII |
| Type of course | obligatory |
| Coordinator |  |
| First and Last Name of the Teacher |  |

\* - According to the resolutions of the Faculty of Medicine

1.2. Forms of classes, number of hours and ECTS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semester | Lecture | Exercise | Conversation | Laboratory | Seminar | ZP | Practical | Self-learning | **Number of points ECTS** |
| VII | 15 | 15 | - | - | - | - | - | - | **2** |
| VIII | 15 | 15 | - | - | - | - | - | - | **2** |

1.3. The form of class activities

☒classes are in the traditional form

☐classes are implemented using methods and techniques of distance learning

1.4. Examination Forms / module (exam, credit with grade or credit without grade)

2. REQUIREMENTS

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| Knowledge of the anatomy of the organ of sight |

**3. OBJECTIVES, OUTCOMES, AND PROGRAM CONTENT USED IN TEACHING METHODS**

* 1. Objectives of this course/module

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| --- | --- |
| C1 | Acquainting with the basic methods of examination of the eye organs |
| C2 | Acquainting with the differential diagnosis of eye and headaches, with particular emphasis on glaucoma, inflammatory diseases of the eye, sometimes associated with disorders or sudden loss of vision. |
| C3 | Getting to know first aid in various random events regarding the eye and sight. |
| C4 | Acquainting with the possibility of supplementing and broadening the diagnosis of general diseases based on an ophthalmological examination. |
| C5 | Acquainting with undesirable symptoms for the organ of sight in the course of treatment of general diseases. |
| C6 | Acquainting with physiology and conditions for the proper development of vision from birth and prevention of amblyopia and improper positioning of the eyes and / or head. |
| C7 | Acquainting with eye diseases related to genetic disorders. |
| C8 | Acquainting with the function of the elderly in the eyes. |
| C9 | Acquainting with modern methods of diagnosis and treatment, including the basics of surgical treatment of eye diseases. |
| C10 | Acquainting with ethical principles in the examination and treatment of people with vision disease. |

3.2 OUTCOMES FOR THE COURSE / MODULE (TO BE COMPLETED BY THE COORDINATOR)

|  |  |  |
| --- | --- | --- |
| EK (the effect of education) | The content of the learning effect defined for the subject (module) | Reference to directional effects (KEK) |
| EK­\_01 | He knows the diseases of the eye, in particular:  a) knows and explains the causes, symptoms, principles of diagnosis and therapeutic treatment in the most common ophthalmologic diseases. | F.W11. |
| EK\_02 | Performs an ophthalmic screening test. | F.U19 |
| EK\_03 | Recognizes ophthalmologic conditions requiring immediate specialist help and provides initial, quantified help in cases of physical and chemical injuries of the eye. | F.U20 |
| EK\_04 | He is able to establish and maintain a deep and respectful contact with the patient | K.01. |

**3.3 CONTENT CURRICULUM (filled by the coordinator)**

**A. Lectures**

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| **Course contents** |
| The most common ophthalmologic conditions - current status and hopes for the future |
| Glaucoma |
| Cataract |
| Injuries of the organ of sight |
| Lasers in ophthalmology |

**B**. **Exercises**

|  |
| --- |
| **Course contents** |
| Study of visual acuity and refraction, principles of glasses selection, methods of correction of refractive errors |
| Examination of disturbances in the position and mobility of the eyeballs. Binocular vision. Double vision |
| Examination of eye fixation in the orbit, examination of the anterior segment of eyeballs, inversion of the eyelids and screen test. Rinsing the conjunctival sac, administering medication. Ophthalmic drugs. |
| Corneal epithelial continuity test, fluorescein test, Schirmer test, probing tear ducts |
| Diagnostics of opacity of optical centers. Test in transmitted light. Passing exercises. |

**C. Seminars**

|  |
| --- |
| **Course contents** |
| Ophthalmic optics, refractive errors, visual acuity |
| Corneal, sclera and tear disorder. "Dry eye" |
| Ailments of eye socket, eyelids and conjunctiva |
| Ophthalmic examination of children. Zerg disease. The development of vision, amblyopia in children. Nystagmus |
| Disorders of the vascular membrane and lens |

**3.4 TEACHING METHODS**

Lecture: multimedia presentation.

Exercises: practical exercises, demonstration, lecture form.

Seminars: multimedia presentation, lecture form.

Student's own work: work with a book

4 METHODS AND EVALUATION CRITERIA

4.1 Methods of verification of learning outcomes

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| --- | --- | --- |
| Symbol of effect | Methods of assessment of learning outcomes (Eg.: tests, oral exams, written exams, project reports, observations during classes) | Form of classes |
| EK\_01 | Written test | Lecture |
| EK\_02 | Practical pass | Exercises |
| EK\_03 | Practical pass | Exercises |
| EK\_04 | Practical pass | Exercises |

4.2 Conditions for completing the course (evaluation criteria)

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| --- |
| **Lecture (EK\_01):**  Written test  5.0 - has knowledge of each of the contents of education at the level of 90% -100%  4.5 - has knowledge of each of the content of education at the level of 84% -89%  4.0 - has knowledge of each of the content of education at the level of 77% -83%  3.5 - has knowledge of each of the content of education at the level of 70% -76%  3.0 - has knowledge of each of the content of education at the level of 60% -69%  2.0 - has knowledge of each of the contents of education below 60%  **Exercises and Seminars (EK\_02, EK\_03):**  - pass with an assessment including:  - attendance  - activity on exercises  - grades from partial tests  5.0 - the student actively participates in classes, is well prepared, has acquired theoretical and practical knowledge in the field of ophthalmology. To a very good extent, he mastered the skills of collecting medical history, diagnostic tests  4.5 - the student actively participates in classes, has acquired theoretical and practical knowledge in the field of ophthalmology at a very good level. He successfully mastered the skills of collecting medical history, diagnostic tests.  4.0 - the student actively participates in the classes, is improved, has acquired theoretical and practical knowledge in the field of ophthalmology to a good degree. He mastered the skill of collecting medical history and diagnostic tests  3.5 - the student participates in classes, his scope of preparation does not allow for a comprehensive presentation of the problem in the field of ophthalmology discussed. He sufficiently mastered the skills of collecting medical history, diagnostic examination  3.0 - the student participates in the classes, sufficiently acquired theoretical and practical knowledge in the field of ophthalmology. He mastered the skills of collecting medical history, diagnostic testing, however, it is often corrected.  2.0 - the student passively participates in classes, the statements are incorrectly substantive, theoretical and practical knowledge in the field of ophthalmology is not sufficient. He has not mastered the skills of collecting medical history, diagnostic tests, and frequently made mistakes. |

5. Total student workload required to achieve the desired result in hours and ECTS credits

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| --- | --- |
| Activity | Hours / student work |
| Hours of classes according to plan with the teacher | 45 |
| Preparation for classes | 7 |
| Participation in the consultations | 2 |
| The time to write a paper / essay | - |
| Preparation for tests | 5 |
| Participation in colloquia | **1** |
| Other (e-learning) | **-** |
| SUM OF HOURS | **60** |
| TOTAL NUMBER OF ECTS | **4** |

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

|  |  |
| --- | --- |
| Number of hours | - |
| Rules and forms of apprenticeship | - |

1. LITERATURE

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| **READING:**  „Podstawy okulistyki”- pod redakcją H. Niżankowskiej |

Acceptance Unit Manager or authorized person