

SYLLABUS
concerning the cycle of education 2019-2025
(date range)

1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

Subject / Module	Ophthalmology
Course code / module *	Ok/F
Faculty of (name of the leading direction)	Medical College of Rzeszów University
Department Name	Medical College of Rzeszów University
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
Type of course	obligatory
Coordinator	dr hab. n. med. Michael Koss
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

Lecture	Exercise	Conversation	Laboratory	Seminar	ZP	Practical	Self-learning	Number of points ECTS
15	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

Knowledge of the anatomy of the organ of sight

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

3.1. Objectives of this course/module

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

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

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)

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

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	2

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

Number of hours	-
Rules and forms of apprenticeship	-

6. LITERATURE

READING:

1. „Podstawy okulistyki”- pod redakcją H. Niżankowskiej

Acceptance Unit Manager or authorized person