

# SYLLABUS

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INTERNATIONAL EUROPEAN  
UNIVERSITY



SCHOOL OF  
MEDICINE

Ophthalmology

2021



# SYLLABUS



Discipline 

 Ophthalmology

Lecturer 



Lecturer's profile 




Consultations:

On-campus consultations

 fourth Tuesday of the month from 3 p.m. till 4 p.m.

Online consultations

 second and fourth Friday of the month from 3 p.m. till 4 p.m.

Contact number 



E-mail 



Discipline page 



Form of final control	final test	диференційований залік	exam
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## 1 Brief discipline annotation

Ophthalmology is a clinical discipline exploring anatomy, physiology and pathology of the visual organ and auxiliary eye apparatus.

Importance and necessity of its teaching at the final stage of doctor's training is caused by the fact that eye diseases are at the first place among human illnesses and account for approximately 20% of all appeals to medical institutions. Eye diseases result in early disability or limits in profession selection. Thus, it is safe to say that an ophthalmologist can be one of the first doctors in healthcare.

## 2 Background for studying discipline

The educational program is based on students' learning of medical biology, biological and bioorganic chemistry, histology, physiology and pathological physiology, human anatomy and pathological anatomy, as well as is integrated with these disciplines.

## 3 Goal and objectives of the discipline

**The goal** of learning ophthalmology is to develop a comprehensive vision of the structure and functioning of the visual sensor system in the normal and pathological conditions, to explore contemporary methods of clinical research using a wide range of conventional and alternative approaches to diagnostics.

**Objectives of the discipline:** to learn the theoretical background and practical methods in conducting experimental, preclinical and clinical research in ophthalmology.

## 4 Learning outcomes

Learning the discipline, students should be able to:

- apply ethical and deontological principles of eye protection among people of different age and gender, analyze visual organ particularities, interpret development mechanisms of pathological eye processes.
- define etiological and pathogenetic factors of the development of common eye diseases.
- make a provisional diagnosis of the most common eye diseases and damages.
- define a strategy for managing patients with common eye diseases.
- diagnose emergencies in ophthalmology and provide emergency medical care.
- plan preventive measures for avoiding outbreaks of eye infections, eye damages, blindness development.

## 4 ECTS credits

3 credits / 90 academic hours

## 6 Discipline structure

Modules and topics	Class hours		
	Lectures	Practical classes	SIW
<b>Informative module 1</b>			
Functions of the organ of vision. Refraction and accommodation. Strabismus.	2	4	5

## 6 Discipline structure

Modules and topics	Class hours		
	Lectures	Practical classes	SIW
Diseases of the eyelids, lacrimal organs and orbit, conjunctiva		4	4
<b>Informative module 2</b>			
Gradual decrease in vision: Presbyopia. Cataract.	2	4	3
Glaucoma. Diagnosis, treatment and prevention.	2	4	3
Diseases of the cornea, sclera, choroid.		4	3
Diseases of the retina, optic nerve. Changes in the organ of vision in common diseases.		4	4
<b>Informative module 3</b>			
Emergencies in ophthalmology. Algorithm of priority actions.	2	4	6
Damage to the organ of vision and the additional apparatus of the eye. Emergency aid. Prevention, medical examination.	2	5	6
Changes in the organ of vision in inflammatory diseases. Pathology of the oculomotor system.		5	6
<b>Total - 36</b>	4	14	18
Grading test		2	
ECTS credits - 90	10	40	40

## 7 Discipline features

Period of teaching	Semester	International discipline integration	Year of study	Courses: general training/ professional training/ elective
1 semester	VII	available	4th year	General training course

## 8 Assessment system and requirements

Current student performance is assessed according to the 4-point scale (2; 3; 4; 5) during every practical class given the approved assessment criteria for a corresponding discipline. Students should obtain a grade in each topic for further conversion of grades into scores due to the multi-point (200-point) scale.



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## Assessment system and requirements

Assessment criteria of current learning activities:

Excellent (5) – students answer correctly to 90-100% of A-format tests (from the Krok-2 database); solve case problems and can generalize the material.

Good (4) – students answer correctly to 70-89% of A-format tests; have necessary practical skills and techniques of their performance in the volume exceeding the required minimum.

Satisfactory (3) – students answer correctly to 50-69% of A-format tests; have an obligatory minimum of research methods.

Failure (2) – students answer correctly to 50% of A-format tests, make significant, serious mistakes while answering and showing practical skills.

Students' individual work related to preparations for practical classroom activities is assessed during current control of a topic during a corresponding class.

A semester test is assessed due to the two-point scale (pass/fail) and 200-point scale by defining the arithmetic average of current grades for each practical class due to the 4-point scale and by its further conversion into scores of the 200-point scale. Minimum amount of scores that should be obtained by students: 120.

The final control of knowledge in the ophthalmology discipline is conducted in the form of grading test.

The grading test is conducted in the form of oral questioning according to grading test questions.

<https://ieu.edu.ua/docs/rate-of-study.pdf>

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## Admission to final control

Students who accomplish all types of works, tasks prescribed by the curriculum for the semester according to the academic discipline, answer during all classes stipulated by the curriculum, prepare a medical report and have the average grade of at least 3 (72 scores according to the 120-point scale) for current learning activities are admitted to the semester final control.

<https://ieu.edu.ua/docs/rate-of-study.pdf>

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## Discipline policy

To achieve learning objectives and successfully complete the course, you should be actively involved in the training process from the first day, regularly attend lectures, prepare in advance for practical classes, not be late, not miss classes, wear a doctor's gown during classes, perform all necessary tasks and work daily on self-advancement, be able to work with a partner or in a team, ask for help and accept it if needed.

For students:

- do not miss practical training without valid reasons;
- to ensure cooperation between the lecturer and students and adhere to the principle of solidarity while learning the discipline;
- to address the lecturer regarding the assistance in organization and consultation on scientific, exploration and research activities;
- to take part in scientific groups;
- topics of the academic discipline are considered from the perspective of their practical application and bioethical capability;
- to wear doctor's gowns during classes.
- you are not allowed to leave the classroom without lecturer's permit;
- you are not allowed to use mobile phones and other means of communication, as well as obtain information without lecturer's permit;
- you are not allowed to carry out unrelated activities, distract other students and disturb the lecturer;



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## 10 Discipline policy

- you are not allowed to take narcotic drugs, psychoactive substances and their analogues, alcoholic beverages at the Department, smoke in the territory at the university and stay in the territory of the university under the influence of alcohol, narcotic drugs or other intoxication;
- you are not allowed to commit unlawful and amoral acts that can endanger health and/or life of people around and that humiliate human dignity, as well as to use abusive language.

For lecturers:

- fulfillment of the syllabus is obligatory;
- coming late to lectures, seminars and practical training is not allowed;
- the discipline policy implies objective assessment of knowledge and skills;
- any forms of corruption activities are forbidden;
- prejudiced attitude and discrimination regardless of the race, ethnic origin and religious beliefs are not allowed.

## 11 Policy of absence and late task performance

Students who miss current control for valid reasons confirmed by documents have the right to take current control within two weeks after returning to studying.

Students who have missed classes without valid reasons, have not participated in current control activities, have not liquidated academic failure are not admitted to final semester control of this discipline. In this case, an academic staff member puts a mark 'non-admission' in the exam record.

Repeated taking of the grading exam of the discipline is appointed in case of accomplishing all types of educational, individual work stipulated by the working program of the academic discipline and is carried out according to the approved schedule of academic failure liquidation.

<https://ieu.edu.ua/docs/050.pdf>

## 12 Academic integrity policy

Participants of the educational process rely on the academic integrity principles

<https://ieu.edu.ua/docs/011.pdf>

## 13 Recommended sources of information

### Basic:

1. Ophthalmology: textbook. for students. higher honey. textbook lock IV level of accreditation / [G. D. Zhaboedov and others], ed. Corresponding Member HAMH of Ukraine, prof. F. D. Zhaboedova, MD. Sciences, Prof. RL Skripnik. - K. Medicine, 2011. - 424 p.
2. Ophthalmology. Workshop: textbook. way. for students. higher honey. textbook lock IV level of accreditation / GD Zhaboedov, VV Kireev. - K.: Медицина, 2013.
3. Bezkorovaina IM, et al. Ophthalmology: A textbook for students of higher medical institutions III-IV levels of accreditation. - Poltava Dyvosvit, 2012. - 248 p. 2012 (<https://medinfo.live/ofthalmologijosnovyi/ofthalmologiya-navchalniy-posibnik-dlya.html>)
4. Wenger, G. Yu. Eye diseases. Course of lectures [Text]: textbook. way. for students. higher honey. educational institutions III-IV accreditation / G. Yu. Wenger, AM Soldatova. - O.: Одеський медуніверситет, 2003. - 176 с.
5. Ophthalmology in schemes: textbook. way. for students. higher textbook lock IV level of accreditation / Kharkiv. nat. honey. un-t; compiled by: PA Bezditko [etc.]. - H.: Golden Pages, 2008. - 80 p.



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## Recommended sources of information

### Auxiliary

1. Eye diseases and injuries EE Somov "St. Petersburg". 2002 - 236 p.
2. Clinical ophthalmology / Ed. Jack J.

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## Tips on successful study during the course

If you want to succeed in this discipline, you should:

- attend classes, work hard, be confident, conscious, creative and active;
- communicate with a lecturer regarding all issues of the educational program;
- accomplish tasks according to the program;
- write abstracts on program topics;
- discuss topics and tasks in groups beyond class hours;
- use online resources.

We wish you insistence, goal commitment and motivation to study. And you'll definitely succeed!  
See you at classes! Don't forget about gowns!