



Ophthalmology

1. IMPRINT	
Academic Year	2026/2027
Department	Faculty of Dental Medicine
Field of study	English Dentistry Division
Main scientific discipline	Medical science
Study Profile	General academic
Level of studies	Uniform MSc
Form of studies	Full-time program
Type of module/ course	Obligatory
Form of verification of learning outcomes	Completion
Educational Unit / Educational Units	Katedra i Klinika Okulistyki Warszawskiego Uniwersytetu Medycznego ul. Lindleya 4, 02-005 Warszawa, tel.: 22 5021554 e-mail: okulistyka@wum.edu.pl
Head of Educational Unit / Heads of Educational Units	prof. Dariusz Kęcik MD, PhD
Course coordinator	prof. Dariusz Kęcik MD, PhD; okulistyka@wum.edu.pl
Person responsible for syllabus	Piotr Maciejewicz MD, PhD; piotr.maciejewicz@wum.edu.pl
Teachers	prof. dr hab. n. med. Dariusz Kęcik; okulistyka@wum.edu.pl prof. dr hab. n. med. Joanna Brydak-Godowska; joanna.brydak-godowska@wum.edu.pl dr n. med. Dorota Kopacz; dorota.kopacz@wum.edu.pl dr n. med. Piotr Maciejewicz; piotr.maciejewicz@wum.edu.pl dr n. med. Joanna Kalińska -Rajz; joanna.kalinska@wum.edu.pl lek. med. Dorota Białas-Niedziela; dorota.bialas-niedziela@wum.edu.pl lek. med. Inna Protsiuk; inna.protsiuk@wum.edu.pl

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2. BASIC INFORMATION			
Year and semester of studies	IIIrd year, V semester	Number of ECTScredits	1
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)			
Seminar (S)		6	0,2
Discussions (D)			
e-learning (e-L)			
Practical classes (PC)		9	0,4
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		10	0,4

3. COURSE OBJECTIVES	
O1	To understand steps of ophthalmological examination and possibility of refraction correction
O2	To know pathophysiology, symptoms and eye disease treatment.
O3	To know rules of the eye trauma diagnosis and treatment

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING	
Code and number of effect of learning in accordance with standards of learning	Effects in time

Knowledge – Graduate* knows and understands:

E.W23.	principles of eye disease diagnosis, including eye injuries;
E.W28.	cases in which a patient should be referred to a hospital;
B.W8.	methods of tissue and organ imaging and the principles of operation of diagnostic equipment for this purpose;
E.W4.	the relationship between morphological abnormalities and the function of altered organs and systems as well as clinical manifestations and diagnostic and treatment options;

Skills– Graduate* is able to:

E.U20.	diagnose selected diseases of the optical and protective system of the eye;
F.U9.	order additional examinations and interpret their results and schedule consultations;
H.U71.	perform procedures in various dental and medical specialties;

5. ADDITIONAL EFFECTS OF LEARNING

Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	-
Skills– Graduate is able to:	
S1	-
Social Competencies – Graduate is ready for:	
SC1	-

6. CLASSES

Form of class	Class contents	Effects of Learning
Seminar	S1 – Seminar 1 -Anatomy and physiology of the eye. Discussion of the elements of the protective apparatus of the eye, the bone structure of the orbit, the structure of the eyeball and the operation of the oculomotor muscles	E.W4.
	S2- Seminar 2 - Refraction of the eye	E.U20.

Załącznik nr 4C do Procedury opracowywania i okresowego przeglądu programów studiów
(stanowiącej załącznik do zarządzenia nr 68/2024 Rektora WUM z dnia 18 kwietnia 2024 r.)

	Overview of the types of refractive errors of the eye: myopia, hyperopia and astigmatism, and refractive surgery of the cornea	
	S3- Seminar 3 -Selected ocular disorders and their pathogenesis Discussion of the pathophysiology, symptoms and treatment options for macular degeneration of the retina, retinal detachment and glaucomatous neuropathy	E.W4.
	S4- Seminar 4 -Ophthalmological emergency Discussion of ophthalmic conditions requiring urgent medical attention, sudden vision loss, sudden deterioration of visual acuity, strabismus, double vision, "flashes" in front of the eye, iris in the field of vision	E.W23.
	S5-Seminar 5 - Pharmacology in relation to eye Discussion of groups of drugs used in the treatment of eye diseases, possible side effects and interactions with general therapy	E.W4.
	S6-Seminar 6 -Lasers In ophthalmology Discussion of the basics of the impact of laser radiation on tissues, safety rules for working with laser devices, the possibility of using laser therapy in the diagnosis and treatment of eye diseases	E.W28.
	PC1-Steps of ophthalmological examination Ophthalmological history, assessment of the eye protection apparatus, examination of the anterior segment of the eye in a slit lamp	B.W8., F.U9.
Practical classe	PC2-Refractive errors and method of correction Optotypes, visual acuity testing for distance and near vision, selection of spectacle correction, rules for applying contact lenses	E.U20.
	PC3-Intraocular pressure Contact and non-contact methods of intraocular pressure measurement, pachymetry, correct values of intraocular pressure. Symptoms and treatment of acute angle closure	B.W8.
	PC4-Visual field Kinetic and static method of visual field testing. Examples of changes depending on the location of damage to the visual pathway	B.W8.
	PC5-First aid In the ocular trauma Technique and principles of first aid after eye injuries and burns, lifting the upper eyelid, rinsing the conjunctival sac	E.W23.
	PC6-Strabismus An indicative and precise examination of eye mobility and double vision. Stereoscopic vision tests	F.U9.
	PC7-Dry eye syndrome	E.W4.

	Evaluation of tear secretion, tear film layer tests. Symptoms and possible treatment of dry eye syndrome	
	PC8-Ocular involvement in systemic disease and Interdisciplinary cases Methods of assessing symptoms and pathological changes in the eyes associated with the coexistence of general diseases such as diabetes, hypertension and rheumatic diseases	H.U71.

7. LITERATURE

Obligatory

Materials from the seminars

Supplementary

J.J. Kanski: Clinical ophthalmology – selected problems

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
E.W4.,B.W8.,E.W23., E.W28., E.U20.. H.U71.,F.U9.	The condition for admission to the final exam is passing the tutorials, i.e., attendance and active participation in all classes. Excusing Absences: To excuse an absence from a class or assessment, the student must notify the course coordinator by email or in writing no later than three business days after the day on which the class or assessment took place. Late submission of an excuse is acceptable if the student was unable to provide it for legitimate reasons; in such a case, the document should be submitted once the reason for the absence ceases. Excused absences of one day must be made up by the course coordinator. Excused absences of more than one day must be made up with another group of students on a date agreed upon with the course coordinator. The course is assessed in a 40-question, single-choice test format, on the last day of classes at the clinic. In the event of an excused absence from the course, the student is entitled to retake the exam on the next date scheduled by the unit. An unexcused absence constitutes grounds for failing the course on that date. If the student fails the course by the last scheduled date in a given academic year, they will not receive credit for that course. In the event of a failing grade in a course that ends with a credit, the student is entitled to two oral retakes at the Ophthalmology Clinic. The retake is scheduled during the retake session or can be earlier at the student's request.	Form of receiving credit in a subject. Grades: 2.0 (failed)<21points 3.0 (satisfactory) 21-25 3.5 (rather good) 26-30 4.0 (good) 31-34 4.5 (more than good) 35-37 5.0 (very good) 38-40

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9. ADDITIONAL INFORMATION

Course time: 7.45 am – 10.00 am

Classes are held in Ophthalmology Clinic, Lindleya street 4, pavilion 5. Warsaw.

In the seminar room on the third floor of the Ophthalmology Clinic, entrance to the seminar room is via the staircase to the left after entering the Clinic. The student cloakroom is located on level -1.

Required: ID, medical clothing- scrubs, and a change of shoes.

In case of absence student should contact with dr Piotr Maciejewicz

email: piotr.maciejewicz@wum.edu.pl; tel: 22 5021554

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ATTENTION

The final 10 minutes of the last class in the block/semester/year should be allocated to students'
Survey of Evaluation of Classes and Academic Teachers