

<b>OPHTHALMOLOGY</b>	
<b>GENERAL INFORMATION</b>	
Course coordinator	Associate Professor Josip Barač, MD, PhD
Assistant/Associate	Professor Mladen Bušić, MD, PhD Assoc. Prof. Eugenia Tedeschi-Reiner, MD, PhD Assoc. Prof. Antonio Kokot, MD, PhD Assoc. Prof. Dubravka Biuk, MD, PhD Assoc. Prof. Biljana Kuzmanović Elajber, MD, PhD Asst. Prof. Suzana Matić, MD, PhD Asst. Prof. Mirjana Bjeloš, MD, PhD Asst. Prof. Damir Bosnar, MD, PhD Asst. Prof. Mario Bradvica, MD, PhD Asst. Prof. Maja Vinković, MD, PhD Asst. Prof. Andrijana Kopic, MD, PhD Marija Jelić Vuković, MD, PhD Patricia Reisz Majić, MD, PhD
Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Mandatory
Year of study, semester	5 <sup>th</sup> year, 10 <sup>th</sup> semester
ECTS	5
Workload (hours)	Lectures (36); Exercises (24)
Expected number of students	70
<b>COURSE DESCRIPTION</b>	
<b>Course objectives</b>	
To enable students to recognize and treat the most common ophthalmic diseases with the aim of preserving vision. Introduce students to the possibilities of prevention, diagnostic methods, and specifics of treatment and therapy in ophthalmology.	
<b>Enrolment requirements and entry competencies</b>	
Passed all exams of previous years of study.	
<b>Learning outcomes at the Programme level</b>	
<b>1.1, 1.2, 2.1, 2.2, 2.3, 3.1, 4.2</b>	
<b>Learning outcomes (5-10)</b>	
<p>After listening to lectures, exercises, independent learning and passing the exam, students will:</p> <ol style="list-style-type: none"> <li>1. Recognize the most common ophthalmic diseases and give adequate therapeutical algorithm</li> <li>2. Determine orientational visual acuity</li> <li>3. Interpret the ophthalmic findings</li> <li>4. Know diagnostic and therapeutic possibilities in ophthalmology</li> <li>5. Assess the necessity for ophthalmological examination, especially for emergencies in ophthalmology</li> </ol>	

Course content						
<b>Lectures</b>						
Introduction to Ophthalmology; Basic symptoms of ocular diseases; Eye anatomy; Eye physiology; Conjunctival diseases; Diseases of the cornea; Iridocyclitis and uveitis; Retinal detachment; Eye refraction; Spectacles, contact lenses; Refractive eye surgery 1; Refractive eye surgery 2; Diabetic retinopathy 1; Diabetic retinopathy 2; Vascular diseases of the retina; Senile macular degeneration; Premature retinopathy; Diseases of the lacrimal apparatus; Eye lens; Strabismus and amblyopia; Orbital diseases; Posterior segment eye surgery; Anterior segment eye surgery; Corneal transplantation; Eye banking; Eye injuries1; Eye injuries2; Glaucoma 1; Glaucoma 2; Ophthalmology drugs; Optic nerve diseases; Neuroophthalmology; Eye tumors; Tumors of the eye adnexa; Eye in systemic diseases; Social and preventive ophthalmology; Final lecture						
<b>Exercises:</b>						
Introduction to the Clinic in Ophthalmology and the method of work; Ophthalmic history and approach to patient; Visual acuity testing; Examination of the eye adnexa; Examination of the anterior segment of the eye; Corneal examination; Pupil examination; Ophthalmoscopy - direct method; Ophthalmoscopy - indirect method; Diagnostic eye tests; Perimetry; Keratometry; Contact lenses; Strabismus; Laser cabinet; Visual field testing according to Goldman; Slit lamp examination; Slit lamp examination with a three-mirror magnifying loupe; Slit lamp examination with a non-contact magnifying loupe; Cataract slit lamp finding; Examination of a glaucoma patient; Ultrasound examination of the eye and orbit; Optical status of the child; Examination of patients - exercises in clinical cases; Operating room - examination of a traumatized patient; Examination of patients - exercises using diagnostic test in ophthalmology						
Mode of teaching						
Lectures; Clinical exercises						
Student obligations						
Students are expected to attend all class sessions, as well as to take all the examinations. However, they are allowed for excused absences, totalling 30% of all classes.						
Monitoring student work ( <i>alignment of learning outcomes, teaching methods, and grading</i> )						
Teaching activity	ECTS	Learning outcome	Student activity	Assessment methods	Grade points	
					Min.	Max.
Class attendance	0,5	1-5	Class attendance	Evidence sheet; evaluation	5	20
Exercises	1,0	1-5	Attendance and active participation in exercises	Exercise diary	15	30
Final exam	2,5	1-5	Learning for the oral exam	Oral exam	30	50
<b>Total</b>	<b>5</b>				<b>50</b>	<b>100</b>
<i>Evaluation of the final exam:</i>						
<b>Student answer</b>				<b>Grade points</b>		

The answer meets the minimum criteria	18.0	
The average answer with noticeable errors	24.0	
The very good answer with minor errors	30.0	
The exceptional answer	36.0	

*Calculation of final grade:*  
Based on the total sum of the points awarded during the course and the final exam, the final grade is determined according to the following distribution:  
A – excellent (5): 90-100 grade points;  
B – very good (4): 70-79,99 grade points;  
C – good (3): 60-69,99 grade points;  
D – sufficient (2): 50-59,99 grade points

**Required reading (available in the library and through other media)**

Title	Number of copies in the library	Availability through other media
1. Seminaria ophthalmologica / Bušić, Mladen ; Kuzmanović Elabjer, Biljana ; Bosnar, Damir (ur.). Osijek - Zagreb: Cerovski d.o.o., 2014.	10	

**Additional reading**

1. Oftalmologija / Zdravko Mandić i suradnici. -. Impresum. Zagreb : Medicinska naklada, 2014.

**Course evaluation procedures**

Anonymous, quantitative, standardized student survey providing feedback on the course as well as on the work of course coordinators and their assistants/associates is being conducted by the QA Office of the Faculty of medicine Osijek.

**Note /Other**

E-learning does not count towards course contact hours, but is being used in teaching and comprises links to various web pages, as well as video and audio materials available on web pages.