

Name of the course	Ophthalmology			Code	MSE510
Type of study program:	Integrated university study program, Medicine			Year of study:	5
Credits (ECTS):	5.5	Semester:	X	Number of hours per semester (l+s+e)	65 (20+15+30)
Status of the course:	obligatory	Preconditions:	Passed all exams of the 4th year	Comparative conditions:	/
Access to course:	Fifth year students			Hours of instructions:	According to schedule
Course teacher:	Assistent Professor Anita Pušić Sesar, MD, PhD				
Consultations:	As agreed with students				
E-mail address and phone number:	pusicanita@gmail.com, 00387-63-318-248				
Associate teachers	Professor Antonio Sesar, Professor Zoran Vatavuk, Professor Ivanka Petric Vicković, Professor Mia Zorić Geber, Assistent Professor Dean Šarić, Assistent Professor Darija Jurišić, Renato Pejić PhD.				
Consultations:	As agreed with students				
E-mail address and phone number:	anita.pusic-sesar@mef.sum.ba				
The aims of the course:	<p>The aims of the course are:</p> <ul style="list-style-type: none"> - to extend student's knowledge about the structure and function of the healthy eye - to train the students in recognition of frequent disorders and diseases of the eye, as well as enable the performance of the basic clinical examination and diagnostic procedures - to achieve student's understanding about basic principles of treatment in ophthalmology 				
Learning outcomes (general and specific competences):	<p>Student:</p> <ul style="list-style-type: none"> - Knows and describes the basics of anatomical and functional features of the vision organ. - Analyses structure and function disorders of the eye, and connects them with the first signs and symptoms of the disease. - Describes different causes of eye disease (genetic, metabolic, autoimmune, degenerative and microbiological) and interprets the mechanism of their effect on the eye and visual function. - Connects and applies the knowledge about clinical, laboratory and imaging features of an eye disease, resulting with differential diagnostic considerations and conclusions. - Taking complete patient history, basic clinical examination and integration the whole obtained information in establishing current diagnosis and considerable treatment options. 				
Course content (Syllabus):	<p>Lectures:</p> <p>L1 Introduction in ophthalmology, anatomy and physiology of the eye L2 Symptoms, clinical examination and diagnostic procedures in ophthalmology L3 Refraction of the eye L4 Eyelids and lacrimalsystem L5 Orbital cavity L6 Conjunctiva L7 Cornea and sclera L8 Uveal tract L9 Lens L10 Glaucoma L11 Neuroophthalmology L12 Pediatric ophthalmology L13 Vascular disorders of the retina L14 Vitreous body and degenerative retina diseases L15 Macula L16 Ocular tumors</p>				

	L17 Ocular trauma L18 Emergencies in ophthalmology L19 Eye manifestation of the systemic disease L20 Visual rehabilitation Exercises: E1 History and clinical examination in ophthalmology E2 Correction of the refractive errors, slit lamp examination E3 Slit lamp examination, corneal test and tear film tests E4 Slit lamp examination, diagnostic procedures in glaucoma patients E5 Ophthalmological examination in children E6 Visual field-perimetry, pupillary reactions, ophthalmoscopy E7 Ophthalmoscopy, OCT, FA, color vision E8 Ophthalmoscopy, OCT, FA, ultrasound of the eye E9 Slit lamp examination, ophthalmoscopy E10 Laboratory and radiological procedures in ophthalmology Seminars: S1 Refractive errors S2 Dry eye- epiphora S3 Orbital diseases S4 Conjunctivitis-keratitis S5 Cornea-transplantation and refractive surgery S6 Specific immune reaction of the eye S7 Uveitis-endophthalmitis S8 Cataract S9 Acute attack of angular closure and neovascular glaucoma S10 Optic neuritis-Optic neuropathy S11 Strabismus and amblyopia S12 Retinopathy-maculopathy S13 Specifics in therapeutic approaches in ophthalmology S14 Differential diagnosis in red eye S15 Differential diagnosis in visual impairment			
Format of instruction <i>(mark in bold)</i>	Lectures	Exercises	Seminars	Independent assignments
	Consultations	Work with mentor	Field work	Other
Student responsibilities	Attendance and active participation in teaching; seminar obligations; practical work with patients.			
Screening student work <i>(mark in bold)</i>	Class attendance	Class participations	Seminar essay	Practical work
	Oral exam	Written exam	Continuous assessment	Essay
Detailed evaluation within a <i>European system of points</i>				
STUDENTS RESPONSIBILITIES	HOURS	PROPORTIONS OF ECTS CREDITS	PROPORTIONS OF GRADE	
Attending classes	65	2.2	0 %	
Seminars	15	0.5	0 %	
Written exam	45	1.5	50%	
Oral (final) exam	40	1.3	50%	
Total	165	5.5	100%	
Further classification:				
The final grade is calculated as the arithmetic mean of the grades obtained on the written and oral parts of the exam, that is: (Written + Oral)/2.				
Final score:				
The final assessment is carried out according to the Regulation of Studies of the University of Mostar and applies to all study groups. According to the Regulations on studying final grade is obtained as follows:				

A = 91-100% 5
B = 79 to 90% 4
C = 67 to 78% 3
D = 55 to 66% 2
F = 0 to 54% 1

Required literature:	Ophthalmology, G.K. Lang, Thieme, 2016.
Optional literature:	Lecture notes
Additional information about the course:	