Name of the course	EYE AND SYSTEMIC DISEASES			***Code***	MSESES15
Type of study program:	Integrated university study program, Medicine			***Year of study***	5
Credits (ECTS):	1.5	***Semester:***	X	***Number of hours per semester (l+s+e):***	25 (10+10+5)
Status of the course:	elective	***Preconditions:***	Passed exams from the 4 th year of study	***Comparative conditions:***	/
Access to course:	Fifth year students			***Hours of instructions*:**	According to schedule

***Course teacher*:**	Assoc. professor Antonio Sesar, MD, PhD
Consultations:	As agreed with students
E-mail address and phone number:	antonio.sesar@mef.sum.ba +387 63/345 500
Associate teachers	Assistant professor Anita Pušić Sesar, MD, PhD Assistant professor Jelena Škunca Herman, MD, PhD
Consultations:	As agreed with students
E-mail address and phone number:	anita.pusic-sesar@mef.sum.ba +387 63/318 248 jskuncaherman@gmail.com +385 91/895 5717

The aims of the course:	To extend student's knowledge about systemic diseases and their pathological manifestation on eye To train the students in recognition of the symptoms and clinical signs in ophthalmology, that could be consequences of the systemic diseases and their association To achieve student's understanding about principles in multidisciplinary treatment	
Learning outcomes (general and specific competences):	Describes various causes of eye disease (genetic, metabolic, autoimmune, degenerative and microbiological) and interprets the mechanism of their effect on eye and visual function Makes them able to carry out taking complete history and basic clinical examination in an ophthalmological patient, integrates the whole obtained information in establishing working diagnosis and considerable treatment options Recognizes the risk factors for occurrence of the certain eye diseases in population with a special emphasis on the importance of prevention blindness and low vision	
Course content (Syllabus):	Lectures	(P1) Eye and diabetes (P2) Diabetic retinopathy (P3) Ocular changes in thyroid gland diseases (P4) Ocular changes in arterial hypertension (P5) Central serous chorioretinopathy - visual loss due to stress? (P6) Autoimmune diseases and ocular changes (P7) Eye in systemic infections (P8) Ocular sypmthoms in neurological disesases (P9) Pediatrics ophthalmology (P10) Eye and aging
	Seminars	(S1) Instructions for analyzing ophthalmological findings (S2) Endocrinological diseases and eye (S3) Cardiovascular disease and eye (S4) Ocular changes in pregnancy (S5) Brain tumors and visual field defect (S6) Headache - why are we doing examination of the posterior segment of eye? (S7) Ocular manifestation and ENT diseases (S8) Retinopathy of prematurity - screening (S9) Senile cataract - Public health importance (S10) Medicaments and their effect on eye

	Exercises	(V1) Diabetic retinopathy (V2) Dysthyroid orbitopathy (V3) Uveitis (V4) Optic neuritis (V5) Orbital cellulitis		
Format of instruction (mark in bold)	**Lectures**	**Exercises**	**Seminars**	Independent assignments
	Consultations	Work with mentor	Field work	Other
Student responsibilities	*In accordance to Rules of studying and Deontological code.* Attendance and active participation in classes			
Screening student work (mark in bold)	**Class attendance**	**Class participations**	**Seminar essay**	Practical training
	Oral exam	**Written exam**	Continuous assessment	Essay

Detailed evaluation within a *European system of points*

STUDENTS RESPONSIBILITIES	**HOURS**	**PROPORTIONS OF ECTS CREDITS**	**PROPORTIONS OF GRADE**
Class attendance and participations	25	0.9	0 %
Seminar essay	5	0.1	0%
Written exam	15	0.5	100 %
Total	**45**	**1.5**	**100 %**

Additional explanation:
Knowledge testing is carried out in form of written exam.
Condition for taking the exam is regular class attendance.
Evaluation is descriptive (pass/fail).

Required literature:	Ophthalmology, G.K. Lang, Thieme, 2016.
Optional literature:	/
Additional information about the course	Methods of monitoring the quality of teaching: - Student questionnaire - Analysis of the quality of teaching by students and teachers - Analysis of exam results - Report of the Quality assurance office - Self-evaluation and external evaluation (visit of the team from Quality assurance office)