



**MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE
PHASE V
ENGLISH MEDICINE PROGRAM**

**COURSE of OPHTHALMOLOGY
2022/2023 Academic Year
COURSE GUIDEBOOK**

Course Code: Med 5013

Course Topic Code: MED5-OPHT

***This guide has been prepared by the Department of PEDIATRIC SURGERY Course Purpose, Target, Outcomes, Training and Education Contents, Methods, Educational Activities, Measurement and Evaluation Techniques, Course Logbook, Program Qualifications Matrix, Matching the Courses with NCEP 2020, Matching the Courses with the Course Objectives and Outcomes, Matching the Course Achievements with Measurement Techniques, Course Notification Form, Vertical/Horizontal Integration Status of Courses and Course Schedules were declared on 15.06.2022.**

PREFACE

Dear Students,

Welcome to the Ophthalmology Course program which is an important part of your education.

In this course program, which is going to continue for two weeks, we aim to give the basic education of the course program in all aspects of theoretical courses and practical applications. This guide describes what you will learn and perform during your course, the rules you must follow in our clinic, and the working conditions. We wish you all success with the belief that this guide will guide you sufficiently through your course studies.

**Department of
Ophthalmology**

GENERAL INFORMATION on COURSE

Course Title : Ophthalmology
Main Department of Course : Surgical Sciences
Department Responsible for Course : Ophthalmology
Course Code : MED-5013
Course Type : Required
Duration of the Course : 2 weeks
Teaching Method of the Course : Formal
ECTS : 3
Language : English
Head of the department : Prof. Dr. Aylin Karalezli

Teaching Staff :

Teaching Staff	Subject area	Theoretical Course duration (Hours)
Prof. Dr. Aylin Karalezli	Ophthalmology	12
Assoc. Prof. Dr. Sabahattin Sül	Ophthalmology	12
Assist. Prof. Dr. Hüseyin Cem Şimşek	Ophthalmology	14
Assist. Prof. Dr. Ahmet Kaderli	Ophthalmology	16

Coordinator of the Department Education Program : Prof. Dr. Aylin Karalezli
Coordinator of the Course Education Program : Prof. Dr. Aylin Karalezli
Coordinator of the Course Examinations : Assist. Prof. Dr. Ahmet Kaderli
Coordinator of Course Assessment and Evaluation : Assist. Prof. Dr. Ahmet Kaderli

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TEACHING METHODS-TECHNIQUES

1. Theoretical lessons
2. Learning Centered Teaching
 - a. Case-based discussion sessions
 - b. Student case reports,
 - c. Practical application at the bedside
 - d. Practical application at the bedside in the outpatient clinic
3. Interactive teaching

PHYSICAL SPACES

Teaching Activity	Physical Space	Explanation
Theoretical lessons	Morphology Building	
Inpatient bedside practice	Training and Research Hospital	Ground Floor - Ophthalmology Service
Policlinic	Training and Research Hospital	Ground Floor - Ophthalmology Polyclinic
Case analysis	Morphology Building	
Problem-based teaching	-	
Special audit applications	Training and Research Hospital	
Private field applications	Training and Research Hospital	

RELATED LEGISLATION

<http://www.tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

AIM(S) of the COURSE

1	In this course, it is aimed that students gain sufficient knowledge, skills, and attitudes to evaluate the signs and symptoms of common eye diseases within the scope of the National CEP, to diagnose in primary care conditions, to create / implement / monitor a treatment plan, to perform emergency intervention and to refer them to an ophthalmologist when necessary.
2	In this course, it is aimed that the students have information about the ways of protection from eye trauma.

OBJECTIVE(S) of the COURSE

1	To be able to recognize common diseases in ophthalmology and refer to an ophthalmologist when necessary.
2	To be able to take medical history from ophthalmology patients, recognize biomicroscopic examination images and make differential diagnosis.
3	To be able to make ophthalmoscopic evaluations of patients.
4	To be able to present patient information during visits.
5	To be able to recognize the causes of red eye.
6	To be able to recognize the causes of ptosis in the eyelid and make the differential diagnosis.
7	To be able to diagnose keratitis and referral under appropriate conditions.
8	To be able to diagnose acute glaucoma or uveitis and referral under appropriate conditions.
9	To be able to communicate with patients presenting with ocular trauma (physical, chemical), to evaluate and examine the patients, to be able to apply the principles of first approach by making the differential diagnosis.
10	To be able to recognize surgical problems related to tear duct obstruction.
11	To be able to recognize the causes of cataract, strabismus, leukocoria.
12	To be able to explain the causes of sudden vision loss.
13	To be able to explain and gain skills on how to intervene in diseases that are frequently encountered in society (dry eye, foreign body in the visual pathways, etc.) and what to pay attention to in preventive medicine.
14	To be able to adapt to operating room working conditions.
15	To be able to explain the importance of obtaining consent from patients before surgical interventions.

INTENDED LEARNING OUTCOME(S)

1	Can recognize common diseases in ophthalmology and refer to an ophthalmologist when necessary.
2	Can take medical history from ophthalmology patients, recognize biomicroscopic examination images and make differential diagnosis.
3	Can make ophthalmoscopic evaluations of patients.
4	Can present patient information during visits.
5	Can recognize the causes of red eye.
6	Can recognize the causes of ptosis in the eyelid and make the differential diagnosis.
7	Can diagnose keratitis and referral under appropriate conditions.
8	Can diagnose acute glaucoma or uveitis and referral under appropriate conditions.
9	Can communicate with patients presenting with ocular trauma (physical, chemical), to evaluate and examine the patients, can apply the principles of first approach by making the differential diagnosis.
10	Can recognize surgical problems related to tear duct obstruction.
11	Can recognize the causes of cataract, strabismus, leukocoria.
12	Can explain the causes of sudden vision loss.
13	Can explain and gain skills on how to intervene in diseases that are frequently encountered in society (dry eye, foreign body in the visual pathways, etc.) and what to pay attention to in preventive medicine.
14	Can adapt to operating room working conditions.
15	Can explain the importance of obtaining consent from patients before surgical interventions.

DUTIES AND RESPONSIBILITIES OF STUDENTS

Duration of course is 2 weeks.

In addition to the theoretical courses, “patient practice” courses are carried out during the course.

Students are assigned daily in rotation in general and local operating rooms, Ophthalmology Clinic and Polyclinic.

In outpatient clinic practices, students are expected to present their thoughts on diagnosis and treatment by taking a history and performing a physical examination.

They are expected to learn and comply with sterility conditions and patient safety in the operating room.

Student who is assigned with bedside history taking and physical examination in the service, is expected to present patient information, differential diagnoses, and diagnosis of the patient during the next day's visit.

Students are responsible for completing the course logbook for each application during the course.

During the course program (if no change is notified by the relevant faculty member during the course period), students are expected to fully present for theoretical or practical application. According to the regulation, there is an attendance requirement of 70% in theoretical courses and 80% in applied courses in Phase V.

RECOMMENDED RESOURCE(S)

KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
Kanski's Clinical Ophthalmology, 9th Edition	1,2,3,5,6,7,8,9,10.11.12.13.14.15
Temel Göz Hastalıkları. Akova A, O'dwyer P. 3.Baskı. 2015	1,2,3,5,6,7,8,9,10.11.12.13.14.15

ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)

ASSESSMENT and EVALUATION

Assessment and Evaluation in the End of Course Evaluation Exam

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value for the End of Course Evaluation
Attendance to Classes		Compulsory	
Course Logbook		Compulsory	
Open ended question Theoretical Exam*	Open ended question Theoretical Exam		50
Structured Oral Examination***	Under the supervision of at least two faculty members		50
Total			100

Availability of Course Logbook, Place of Course Report in Course Assessment and Evaluation Principles

For the right to take the written exam, the student must be evaluated as “adequate” from the criteria specified in the course report.

Existence of Attendance Requirement and Its Place in Course Assessment-Evaluation Principles

It is stated at the beginning of the course that the student who is absent from the courses will not be taken to the written exam.

The Effect of the Assessment and Evaluation Methods to be Applied on the Success Status at the End of the Course

In order to be successful in the course, it is required to get at least 60 points at each stage of the course exams. A student whose score is 59 and below in an assessment-evaluation technique is not allowed to participate in the other exam phase.

1 st stage: Open ended question Theoretical Exam

2 nd stage: Structured Oral Examination + Bedside Clinical Practice Exam

Assessment and Evaluation in Resit Examination

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value at the End of Course Evaluation
Open ended question Theoretical Exam*	Open ended question Theoretical Exam		50
Structured Oral Examination**	Under the supervision of at least two faculty members		50
Total			%100

Assessment and Evaluation in Single Course Resit Exam

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value at the End of Course Evaluation
Open ended question Theoretical Exam*	Open ended question Theoretical Exam		50
Structured Oral Examination	Under the supervision of at least two faculty members		50
Total			%100

Faculty of Medicine
English Medicine Program
Phase V
OPHTHALMOLOGY COURSE
Competence Matrix

The Name of the Course	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Po8	Po9	Po10	Po11	Po12	Po13
Pediatric Surgery	5	5	5	5	5	3	5	4	5	5	4	5	4

* Completed according to the following program outcomes. (Score from 0 to 5.)
 PO: Program Outcomes of Faculty of Medicine

PO Link: <https://muweb.mu.edu.tr/tr/program-yeterlilikleri-6598?site=tip.mu.edu.tr>

TRAINING ACTIVITY AND ASSESMENT AND EVALUATION METHODS MATCHING OF COURSE GAINS

Intended Learning Outcome	TRAINING ACTIVITY MATCHING	ASSESMENT AND EVALUATION METHODS MATCHING
1.Can recognize common diseases in ophthalmology and refer to an ophthalmologist when necessary.	T,V	TE,OE
2.Can take medical history from ophthalmology patients, recognize biomicroscopic examination images and make differential diagnosis.	T,C,V	TE,OE
3.Can make ophthalmoscopic evaluations of patients.	C,V	TE,OE
4.Can present patient information during visits.	C,V	TE,OE
5.Can recognize the causes of red eye.	T,,C,V	TE,OE
6.Can recognize the causes of ptosis in the eyelid and make the differential diagnosis.	CR,T,C,V	TE,OE
7.Can diagnose keratitis and referral under appropriate conditions.	CR,T,C,V	TE,OE
8.Can diagnose acute glaucoma or uveitis and referral under appropriate conditions.	CR,T,C,V	TE,OE
9.Can communicate with patients presenting with ocular trauma (physical, chemical), to evaluate and examine the patients, can apply the principles of first approach by making the differential diagnosis.	CR,T,C,V	TE,OE
10.Can recognize surgical problems related to tear duct obstruction.	CR,T,C,V	TE,OE
11.Can recognize the causes of cataract, strabismus, leukocoria.	CR,T,C,V	TE,OE
12.Can explain the causes of sudden vision loss.	CR,T,C,V	TE,OE
13.Can explain and gain skills on how to intervene in diseases that are frequently encountered in society (dry eye, foreign body in the visual pathways, etc.) and what to pay attention to in preventive medicine.	CR,T,C,V	TE,OE
14.Can adapt to operating room working conditions.	CR,T,C,V	TE,OE
15.Can explain the importance of obtaining consent from patients before surgical interventions.	CR,T,C,V	TE,OE
<p>Abbreviations Teaching Activity: Theoretical lessons (T), Visit (V), Case report (CR), Clinical picture discussion-Outpatient clinic (C), Vocational skills lab (VSL), Radiological evaluation (R), Laboratory evaluation (L), Presentation (Pr) Assessment Method: Practical - Logbook (P-L), Oral exam (OE), Theoretical exam (TE)</p>		

INFORMATION AND MATCHING TABLE ON THE THEORETICAL AND PRACTICAL COURSES IN THE COURSE TO BE INCLUDED IN THE 2022- 2023 ACADEMIC YEAR COURSE POGRAM

Lecture Code*	Hour	Lecture Type	Lecture Subject	Course Aim Matching	Course Learning Outcome Matching	Activity Matching**	Assessment and Evaluation Method matching **	Vertical Integration	Horizontal Integration
	2	T	Anatomy of the Eye	1	1	T	2		
	2	T	Corneal Diseases	1	5,7,9	T	2		
	2	T	Cataract	1	11	T	2		
	2	T	Ocular Tumors	1	1	T	2		
	2	T	Conjunctival Diseases	1	3,13	T	2		
	2	T	Anatomy and Physiology of Retina	1	13	T	2		
	2	T	Diabetic Retinopathy	1	13	T	2		
	2	T	Retinal Artery Occlusions	1	13	T	2		
	2	T	Retinal Detachments	1	13	T	2		
	2	T	Eye Injuries	1	11	T	2		
	2	T	Sudden Vision Loss	1	11	T	2		
	2	T	Strabismus	1	11	T	2		
	2	T	Senile Macular Degeneration	1	13	T	2		
	2	T	Glaucoma	1	8	T	2		
	2	T	Uveitis: Differential Diagnosis	1	8	T	2		
	2	T	Eyelid Diseases	1	6	T	2		
	2	T	Lacrimal System Diseases	11	6	T	2		
	2	T	Keratoconus and Treatment Options	1	7	T	2		
	2	T	Refraction	1	7	T	2		
	2	T	Systemic Diseases and Ocular Involvements	1	13	T	2		
	2	T	Orbital Diseases	1	10	T	2		
	1	P	Clinical presentation	1	1,2,3, 4,5,1 4,15	P	1		
	1	P	Sterility promotion in the operating room Outpatients from symptoms and signs to differential diagnosis Patient history and	1	1,2,3, 4,5,1 4,15	P	1		

			physical examination						
	1	P	Clinical applied practice	1	1,2,3, 4,5,1 4,15	P	1		
	1	P	Patient safety and positioning in the operating room Outpatients from symptoms and signs to differential diagnosis Patient history and physical examination	1	1,2,3, 4,5,1 4,15	P	1		
	1	P	Consulting Hour	1	1,2,3, 4,5,1 4,15	P	1		
	1	P	Bedside application-corneal foreign body removal	1	1,2,3, 4,5,1 4,15	P	1		
	1	P	Conjunctivitis-ophthalmic examination	1	1,2,3, 4,5,1 4,15	P	1		
	1	P	Bedside application-ophthalmic examination	1	1,2,3, 4,5,1 4,15	P	1		
	1	P	Bedside application-ophthalmic examination	11	1,2,3, 4,5,1 4,15	P	1		

EXPLANATIONS:

* Lecture code will be formed by writing 001, 002,... at the end of the code taken from the "Codes for Phase 5 matrix" section.

****Abbreviations**

Teaching Activity: Theoretical lessons (T), Visit (V), Case report (CR), Clinical picture discussion- Outpatient clinic (C), Vocational skills lab (VSL), Radiological evaluation (R), Laboratory evaluation (L), Presentation (Pr)

Assessment Method: Practical - Logbook (P-L), Oral exam (OE), Theoretical exam (TE)