



SUBJECT OUTLINE

1. Programme of study description

1.1.	THE "CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY
1.2.	THE FACULTY OF MEDICINE / THE CLINICAL DEPARTMENT 12
1.3.	DISCIPLINE: OPHTHALMOLOGY (Emergency University Hospital Bucharest)
1.4.	DOMAIN OF STUDY: Healthcare – regulated sector within the EU
1.5.	CYCLE OF STUDIES: BACHELOR'S DEGREE
1.6.	PROGRAMME OF STUDY: MEDICINE

2. Subject description

2.1.	Name of the subject/compulsory subject/elective subject within the discipline: Ophthalmology						
2.2.	Location of the discipline:						
2.3.	Course tenured coordinator:						
2.4.	Practicals/clinical rotations tenured coordinator:						
2.5. Year of study	VI	2.6. Semester	XI, XII	2.7. Type of assessment	Written exam and Practical 1 Exa	2.8. Subject classification	DOS

3. Total estimated time (hours/semester of didactic activity) – teaching module

Number of hours per week	25	Out of which: course	10	Clinical rotation	15
Total number of hours from curriculum	40	Out of which: course	16	Clinical rotation	24
Distribution of allotted time	2 weeks		5 hours/day		2 hours/day course 3 hours/days clinical internship
Study from textbooks, courses, bibliography, and student notes					
Additional library study, study on specialized online platforms and field study					
Preparing seminars / laboratories, assignments, reports, portfolios and essays					
Tutoring					
Examinations					
Other activities					
Total hours of individual study					
Number of credit points					2

4. Prerequisites (where applicable)

4.1. of curriculum	Fundamental knowledge of the anatomy and physiology of the eye and orbit
4.2. of competencies	

5. Requirements (where applicable)



5.1. for delivering the course	Projector, multimedia at the location of the discipline
5.2. for delivering the clinical rotation	At the location of the discipline

6. Acquired specific competencies

Professional competencies (expressed through knowledge and skills)	At the end of the internship, the student must know: - the main diseases in the field of ophthalmology - diagnosis and treatment principles of the ophthalmological disorders - to examine the patients with ocular disorders - interpret the clinical, para clinical and imaging examinations used in ophthalmology
Transversal competencies (of role, of professional and personal development)	- To have the ability to work in a medical team - To communicate with patients and caregivers - To show empathy to the patient with ocular disorders - To respect the professional deontology

7. Subject learning objectives (based on the scale of acquired specific competencies)

7.1. General learning objective	At the end of the internship, the student must know: - the main diseases in the field of ophthalmology - diagnosis and treatment principles of treatment of the ophthalmological disorders
7.2. Specific learning objectives	At the end of the internship the student must be able to: - examine patients with ophthalmological diseases - to interpret the results of the clinical, para clinical and imagistic test used in ophthalmology

8. Content

8.1. Course	Teaching methods	Observations
1: Anatomy of the eye and ocular adnexa. Refraction.	Multimedia Projector; Powerpoint presentations	2 hours
2: Pathology of the ocular adnexa (orbit, eyelids, lacrimal apparatus)	Multimedia Projector; Powerpoint presentations	2 hours
3: Pathology conjunctiva	Multimedia Projector; Powerpoint presentations	2 hours
4: Pathology of the cornea and sclera	Multimedia Projector; Powerpoint presentations	2 hours
5: Pathology of the uvea and lens	Multimedia Projector; Powerpoint presentations	2 hours
6: Pathology of the retina and optic nerve	Multimedia Projector; Powerpoint presentations	2 hours
7: Glaucoma	Multimedia Projector; Powerpoint presentations	2 hours
8: Trauma of the eye and ocular adnexa	Multimedia Projector; Powerpoint presentations	2 hours
8.2. Clinical rotation	Teaching methods	Observations



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1 Examination of the visual function	Multimedia Projector Practical demonstrations, clinical activity in examination room	3 hours
2 Examination of the ocular refraction. Optical correction.	Multimedia Projector Practical demonstrations, clinical activity in examination room	3 hours
3 Examination of the anterior segment of the eye	Multimedia Projector Practical demonstrations, clinical activity in examination room	3 hours
4 Examination of the posterior segment of the eye	Multimedia Projector Practical demonstrations, clinical activity in examination room	3 hours
5 Examination of the ocular adnexa.	Multimedia Projector Practical demonstrations, clinical activity in examination room	3 hours
6 Examination of the intraocular pressure. Gonioscopy.	Multimedia Projector Practical demonstrations, clinical activity in examination room	3 hours
7 Examination of the ocular movements	Multimedia Projector Practical demonstrations, clinical activity in examination room	3 hours
8 Imagistic and functional examinations used in the ocular and orbital disorders. Medication in ophthalmology.	Multimedia Projector Practical demonstrations, clinical activity in examination room	3 hours
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Bibliography for course and clinical rotation

Unique ophthalmology course of the department, Carol Davila University Publishing house, 2017
Practical works in ophthalmology, Carol Davila University Publishing house, 2005 Clinical
Ophthalmology for medical students, Carol Davila University Publishing house, 2010

9. Corroboration of the subject content with the expectations of the representatives of the epistemic community, professional associations, and major employers in the field of the programme of study

Appropriate training at the end of the ophthalmology module provides the prerequisites for admission to residency and the development of a successful medical activity.

10. Assessment

Type of activity	Assessment criteria	Assessment methods	Assessment weighting within the final grade
Course	Knowledge of theoretical notions	Multiple choice test with 20 questions, 20 minutes	50%
Clinical rotation	Examination of the patient with ophthalmological disorders. Ability to interpret clinical, paraclinical and imaging examinations.	Practical exam with the group assistant and/or the head of discipline.	50%



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Minimum performance standard
Minimum 50% for each component of the evaluation

Date of filing

**Signature of the course tenured
coordinator**

**Signature of the seminar
tenured coordinator**

**Date of approval in the
Council of the Department:**

**Signature of the Head of the
Department**