DISCIPLINE FILE

1. Data about the programme

1.1.	"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY
1.2.	FACULTY OF DENTISTRY
1.3.	DEPARTMENT III
1.4.	DISCIPLINE OPHTHALMOLOGY
1.5.	DOMAIN OF STUDY: HEALTH – Sectorally regulated within the European Union
1.6.	STUDY CYCLE: LICENCE
1.7.	STUDY PROGRAME: DENTAL MEDICINE (ENGLISH)

2. Data about discipline

2.1.	Name of the discipline in the educational plan: OPHTHALMOLOGY
2.2.	Discipline code: MD03S10EN
2.3.	Discipline type (FD/SD/CD): SD
2.4.	Discipline regimen (MD/OPD/): MD
2.5.	The holder of the course activities Professor Vasile Potop MD PhD Lecturer Alina Mihaela Ciocalteu MD PhD Assistant Professor Christiana Maria Diana Dragosloveanu MD PhD Assistant Professor Dana Margareta Cornelia Dascalescu MD PhD.
2.6.	The holder of the seminar activities : Professor Vasile Potop MD PhD Lecturer Alina Mihaela Ciocalteu MD PhD Assistant Professor Christiana Maria Diana Dragosloveanu MD PhD Assistant Professor Dana Margareta Cornelia Dascalescu MD PhD Assistant Professor George Balta (pay by the hour) Assistant Professor Arghirescu Ana (pay by the hour)

2.7. Year of study	III	2.8. Semester	V+VI	2.9. Type of evaluation (E/C)	Multiple quiz test

3. Total estimated time (hours/semester of didactic activity an self preparation/study

I. Academic training (teaching, practical application, assessment)						
3.1. Nr hours/week	3	From which:	3.2. lecture	1	3.3. seminary/ laboratory	2
3.4. Total hours of educational plan	42	From which:	3.5. lecture	14	3.6. seminary/ laboratory	28
Evaluation (nr. of hours) : 2						
II. Self preparation/study						

Time allocation	hours
Study of course materials, textbooks, books, study of the recommended minimal bibliography	21
Additional research in the library, research through the internet	5
Performing specific activities for preparing projects, laboratories, elaborating reviews or other tasks	3

Specific preparation activities for projects, laboratory work, assignments, and reports	10
Tutoring	2
Other activities	7
3.7. Total individual study hours	**48**
3.8. Total hours per semester (3.4.+ 3.7.)	**90**
3.9. Number of credits	**3**

4. Preconditions (where applicable)

4.1. of curriculum	Students must have minimal knowledge of the anatomy, physiology and pathophysiology of the visual analyzer. Notions of elementary biology and head anatomy.
4.2. of competences	No applicable

5. Conditions (where applicable)

5.1. to conduct the lecture	PowerPoint presentations, use of multimedia systems, and projector
5.2. to conduct the seminar / laboratory	Equipped with the necessary apparatus for conducting practical activities

6. Learning outcomes

Knowledge	Skills	Responsibility and autonomy
− to be able to determine a precise diagnosis − to be able to determine the correct treatment	− to be able to determine a precise diagnosis − to be able to determine the correct treatment − to be able to determine the most precise treatment − to identify the objectives, the resources, the stages, times and risks − effective use of the information sources and communication resources and assisted professional care	− to identify the situations with a high difficulty and to redirect it to the colleagues with the necessary competences − to identify the roles and responsibilities in a pluridisciplinary team and to apply technics of teamwork and doctor-patient relationship − effective use of the information sources and communication resources and assisted professional care

7. Course objectives (aligned with the learning outcomes)

7.1. General objective	− to acquire the general notions in ophthalmology − to determine the most effective ways of communication with the patient and to perfect the way to perform the clinical checkup for every patient in order to determine a correct diagnosis and an optimal treatment
7.2. Specific objective	− to determine the best treatment plan for each pathology − to determine the minimal practical ability to examine the ophthalmologic patient

8. Contents

8.1. Lecture	Teaching methods	Observations
Course 1 Anatomy and physiology of the eye. Refraction and refractive		**2 hours** Interactive presentations of the material according to the analytical program using

errors, diagnosis, treatment and complications		multimedia sources, power point presentations and didactic movies
Course 2 Eyelid pathology, lacrimal glad orbit and conjunctiva. Eye motility, binocular vision, strabismus		**2 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
Course 3 Sclera, corneal and lens pathology (cataract)		**2 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
Course 4 Uveal pathology, retina and optic nerve pathology: anterior, intermediary and posterior uveitis. Retinal detachment. Retinal vascular disease. Optic neuritis		**2 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
Course 5 Intraocular pressure - physiology. Glaucoma: primary open angle glaucoma, angle closure glaucoma, primary angle closure, congenital glaucoma: diagnosis, treatment and monitoring		**2 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
Course 6 Ocular trauma: contusion, burns and lacerations		**2 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
Course 7 Ocular tumors: eyelid, choroidal tumors. Ocular metastasis. Retinoblastoma		**2 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies

Recent Bibliography

Kanski Clinical Ophthalmology 10th edition, Elsevier 2024
Yanoff Ophthalmology, Myron Yanoff, Jay S Duker, 6 th edition, Elsevier 2023

8.2. Laboratory/ practical lesson	**Teaching methods**	**Observations**
CS 1 Visual acuity examination for near and distance. Chromatic examination and light perception. Objective and subjective refraction. Refractive errors correction		**4 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
CS 2 Anterior pole examination: biomicroscopic examination, corneal examination with fluorescein, iris, lens and pupil		**4 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
CS 3 Clinical presentations, power point presentations, anterior pole		**4 hours** Interactive presentations of the material according to the analytical program using

pathology: keratitis, scleritis, iridocyclitis and ophthalmology-dental associations. Clinical demonstrations with power point presentations of blepharitis, conjunctivitis, dacriocistitis, strabismus, ectropion, entropion. Trauma, tumors, orbital cellulitis		multimedia sources, power point presentations and didactic movies
CS 4 IOP measurement. Visual field examination. Clinical demonstrations and images with glaucoma: chronic glaucoma, congenital glaucoma and secondary glaucoma		**4 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
CS 5 Differential diagnosis of the red eye: conjunctivitis, iridociclitis, angle closure glaucoma. Cataract examination with the indications and prognosis		**4 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
CS 6 Fundus examination methods Clinical presentations, power point presentations of diabetic retinopathy, retinal vein and artery occlusion, diabetis, retrobulbar neuritis, optic abnormalities, optic atrophy		**4 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies
CS 7 Practical demonstrations with clinical cases, ophthalmologic devices and final recapitulation Case presentations of ocular trauma: foreign bodies, lacerations, contusions, burns		**4 hours** Interactive presentations of the material according to the analytical program using multimedia sources, power point presentations and didactic movies

Recent bibligraphy

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9. Evaluation

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage in the final grade
9.4. Lecture	**A. Knowledge for mark 5:** – basic knowledge about examination in ophthalmology, diagnosing the main pathologies and ways of treatments – to recognize the main urgent disorders in ophthalmology **B. Additional knowledge for mark 10**	Multiple choice and written subject exam	**100.00%**

	– advanced knowledge about ophthalmic disorders, types of examination, ways of treatment – ophthalmology-stomatology disorders and treatment correlations		
9.5. Seminary/ practical activity	**Yes**	Oral exam	**Accepted/rejected**
9.5.1. Individual project (if applicable)	no	no	no
9.6. Minimum performance standard			
Basic knowledge about examination in ophthalmology, diagnosing the main pathologies and ways of treatments To recognize the main urgent disorders in ophthalmology			

Date of completion: **Signature of the course holder** **Signature of the laboratory holder**

Date of approval by the Department Council: 06.11.2026

Signature of the Department Director
Professor Ionescu Ecaterina, PhD