DISCIPLINE SHEET

ACADEMIC YEAR

2022 - 2023

1. DATA ABOUT THE STUDY PROGRAM

1.1 Institution of higher education	UNIVERSITY OF MEDICINE AND PHARMACY CRAIOVA
1.2 Faculty	MEDICINE
1.3 Department	7
1.4 Study Domain	HEALTH
1.5 Study cycle	LICENCE
1.6 Study program/ Qualification	MEDICINE

2. DATA ABOUT THE DISCIPLINE

		,			
2.1. Discipline name			OPH	THALMOLOGY	
2.2. Discipline code			MED5108		
2.3 The holder of course activities		Moca	nu Carmen, Stefanescu-Dima Alin		
2.4 The holder of seminar activities		Mocanu Carmen, Stefanescu-Dima Alin, Olaru Andrei, Balasoiu Andrei-Theodor			
2.5. Academic degree		Course: Professor, Lecturer			
			Seminar activities: Lecturer/Lecturer		
2.6. Employment (bas	2.6. Employment (base norm/associate) Base norm				
2.7. Year of study	V	2.8.	I 2.9. Course type (content) CSD		
		Semester	2.10. Regime of discipline (compulsoriness)		

3. THE ESTIMATED TOTAL TIME (teaching hours per semester)

3.1 Number of hours per week	3	3.2 From which course	1	3.3 seminary/laboratory	2
3.4 Total hours in curriculum	42	3.5 From which course	14	3.6 seminary/laboratory	28
Time found distribution (hours):					
Study from manual, course support, bibliography, and notes					12
Additional documentation in the library, specialized electronic platforms and, on the field					6
Training seminars / labs, homework, repor	ts, port	folios, and essays			6
Tutoring				1	
Examinations				2	
Other activities, counselling, student scientific programs			6		

3.7 Total hours of individual study	33
3.9 Total hours per semester	75
3.10 Number of credits	3

4. PREREOUISITES (where appropriate)

"THE QUIDITED	(where appropriate)	
4.1 curriculum	Students must have solid knowledges about the anatomy, physiology, physiopathology of the visual	
	system	
4.2 competency	-	

5. CONDITIONS (where appropriate)

5.1. of course deployment	Lecture Hall with projector / online
5.2. of seminary/ lab deployment	Ophthalmology clinic / online

6. SPECIFIC COMPETENCES ACCRUED

- C1 To identify the disease and to establish the correct diagnosis of different eye diseases/disorders
- C2 Preparing and applying an adequate treatment plan for the identified condition(s).
- C3 Assessing correctly the risk of disease or the context of the occurrence of an individual/collective disease, followed by the selection and implementation of adequate prophylactic measures.
- C4 To approach health/disease issues from the community specifics perspective, directly related to the social, economic and/or their cultural collectivities conditions
- C5 To initiate and to develop a scientific and/or formative research activity in their competence field

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PROFESSIONAL COMPETENCES

TRANSVERSAL COMPETENCES

CT1. Autonomy and responsibility

- Achievement of moral guidelines, training of professional and civic attitudes that enable students to be fair, honest, non-confrontational, cooperative and understanding the suffering, available to help people and interested to develop the community;
- To know, respect and contribute to the development of moral values and professional ethics;
- Learning to recognize when a problem arises and provide responsible solutions to solve it.

CT2. Social interactions

- To recognize and respect diversity and multiculturalism;
- Learning to develop teamwork skills;
- To communicate orally and in writing requirements, working methods, results, to consult with the team;
- To get involved in volunteering, to know the essential problems of the community.

CT3. Personal and professional development

- To be open to lifelong learning,
 - To appreciate the need for individual study as the basis of personal autonomy and professional development;

To know how to use information and communication technology.

7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the	- Assimilation and fixation of the anatomy and physiology of the visual system		
e s			
discipline	- To learn and to reproduce necessary concepts for the positive and differential		
	ophthalmological diagnosis.		
	- To learning the methods for the examination of the visual system		
	- To assimilate notions of therapeutic conduct in the ophthalmical diseases		
7.2 The specific objectives of the	Knowledge, understanding, analysis and synthesis concepts of anatomy and		
discipline	physiology of the visual analyzer (ocular globe, optic pathways, the central		
	segment):		
	- fixing the basic concepts by description		
	- highlighting particular significant aspects through targeted questions related to		
	anatomical elements (lecture and practical)		
	Knowledge and application of the clinical ophthalmological examination		
	techniques:		
	- history (in different categories of diseases)		
	- clinical examination (anterior pole, fundus)		
	- functional examination (visual acuity, visual field, color sense)		
	- examination of eye pressure, lacrimal apparatus, the pupil, ocular motility,		
	binocular vision.		
	- additional tests (ultrasound, AFG, Rx exam, OCT)		
	Knowledge, understanding and applying concepts of positive and differential		
	diagnosis in ophthalmology		
	• Understanding and interpreting the necessary knowledge in the treatment of		
	ocular diseases (local, general, etiology, pathogenesis and symptomatic)		
	• To propose the correct laboratory investigations and to deduct diagnosis		
	Formulation of therapeutic management		
	Evaluation of diagnosis and treatment		
	Evaluation of diagnosis and treatment		

8. CONTENTS

8.1 Course (content units)	hours
Eyelids, orbit and lachrymal drainage system pathology	2
anatomy – physiology	
 congenital disorders 	
 injuries 	
 ectropion, entropion, ptosis 	
• tumours (benign, malignant)	
 inflammatory disorders of the eyelids (skin, tars, gre 	y line)
 orbit pathology (injuries, cellulitis, proptosis, tumous 	rs)
 lachrymal drainage system (dacrioadenistis, dacryoc 	ystitis)
2. Inflammatory diseases of the anterior segment of the eye	2
 inflammatory diseases of the conjunctiva (bacte) 	rial, viral, chlamydial. allergic)
 inflammatory diseases of the cornea (keratitis) 	nicrobial, viral, peripheral corneal disorders,
corneal degenerations, neurotrophic keratopathy)
 iridocyclitis (physiopathology, clinical and pa 	raclinical features, positive and differential
diagnosis, complications, treatment)	
differential diagnosis of the red eye disorders (normal and high IOP)	

	2
3. Cataract and Glaucoma	2
• cataract (congenital, age-related, traumatic, secondary, surgical treatment)	
glaucoma (open-angle, angle-closure, congenital, secondary, neovascular, inflammatory, traumatic, lens-related,	
intraocular tumours glaucomas)	_
4. Retinal and choroidal pathology	2
 inflammatory retinal and choroidal diseases – retinochoroidopathy 	
 retinal vascular disease (retinal artery and vein occlusion) 	
hypertensive retinopathy	
diabetic retinopathy	
retinitis pigmentosa	
age-related macular degeneration	
• retinal detachment	
 retinal add choroidal malignant tumours (melanosarcoma, retinoblastoma) 	
discussions about clinical cases	
	2
5. Neuro-ophthalmology	2
• optic neuritis (papillitis, retrobulbar neuritis)	
ischaemic optic neuropathy	
 papilloedema 	
 optic nerv tumours (meningioma, glioma) 	
chiasmic disorders	
 cortical blindness 	
discussions about clinical cases	
6. Trauma of the globe, eyelids and orbit	2
anterior segment trauma	2
posterior segment trauma	
 complications 	
 discussions about clinical cases 	
ocular refraction (examination methods, hyperopia, myopia, astigmatism, lens correction, accomodation and	
refraction disorders, visual acuity, visual field examination, IOP measurement, local treatment in ophthalmology)	
7. Binocular vision pathology	2
 anatomo-physiological particularities (oculomotors muscles, binocular vision) 	
• disorders of the binocular vision (amblyopia, abnormal corresponding points)	
• eso and exotropia: ethipathogeny, clinical aspects, treatment	
paralitic strabismus: ethipathogeny, clinical aspects, treatment	
BIBLIOGRAPHY	
1. Kansky J.: Clinical Ophthalmology: A Systematic Approach, 9th Edition, 2019	
2. Mocanu Carmen, Barascu Doina: Diagnostic pozitiv si diferential in oftalmologie, editia III, Ed. Sitech 2020	
	hours
3. Dumitrache Marieta: Tratat de oftalmologie, Ed. Carol Davila Buc., 2011	2
3. Dumitrache Marieta: Tratat de oftalmologie, Ed. Carol Davila Buc., 2011 8.2 Practical work (topics / themes)	_
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9. CORROBORATING THE DISCIPLINE CONTENT WITH THE EXPECTATIONS OF EPISTEMIC COMMUNITY REPRESENTATIVES, PROFESSIONAL ASSOCIATIONS AND EMPLOYEE REPRESENTATIVES RELATING TO THIS PROGRAM

• The knowledge gained through the Ophthalmology discipline are necessary for the attitude of diagnosis, emergency

treatment to any graduate of the Faculty of Medicine. Prevention of ocular trauma is an important element of the family doctor activity.

10. MHETODOLOGICAL LANDMARKS

Forms of activity	Techniques of teaching / learning, materials, resources: lecture, interactive group work, learning based problems / projects audio-video recordings, etc.
Cours	In case of special situations (alert states, emergency states, other types of situations that limit the physical presence of people) the activity can be carried out online using computer platforms approved by the faculty / university. The online education process will be adapted accordingly to ensure the fulfillment of all the objectives set out in the discipline sheet.
Practical work	The following combined methods are used: lecture, debate, problematization.
Self-study	For the online version: lecture, debate, problematization based on materials provided in advance.

Absences	No. absences that can recover	Location of deployment	Period	In charge	Scheduling of topics
recoveries	3	Ophthlalmology Clinic / online	The last week of the semester	Lecturer	According to the internal schedule
Schedule consultations / Students' Scientific Program	2 hours /week	Ophthalmology clinic / online	Weekly	Lecturer	The theme of the week.
Program for students poorly trained	2 hours/ week	Ophthalmology clinic / online	Weekly	Lecturers	According to the situation of each student Theme from that specific week
12. ASSESMEN Activity	Types of assesm	ent	Methos of evalua	tion	Percentage fron
110011109	Types of assessin		TVICTION OF EVALUATION		final grade
Lecture	and surveys of	t through essays, projects luring the semester ment during the exam	Multiple Choice Questions Answering System (MCQ)/MCQ with the help of the IT platform in the online version.		60%
Practical work	Questions Answerin descriptive, proje se Periodic assesme	t through Multiple Choice ng System (MCQ) or/and ects, survey during the mester. nt during the semester ement during the exam	Multiple Choic Answering Sy simultaneously w the course / with video platform versi	20%	
Periodic assesment					
Assement of individual activities					-
Minimum performance standard			At least 50%	for each compone	nt of the evaluation

Endorsement date in the department: 30.09.2022

Professional guidance and counselling programs (2 hours/monthly)

Department Director, Prof. Luminita CHIUŢU

Scheduling the hours

Every last Friday of the month

Study program coordinator, Prof. Marius Eugen CIUREA

Discipline holder, Prof. Carmen MOCANU

In charge

Lecture holders

Location

Ophthalmology Clinic /online