

**Thematic plan for seminar-type classes
in the discipline "Ophthalmology"
for students of 2023 year of admission
under the educational program specialist
in the specialty 31.05.01 General medicine,
direction (profile) General medicine,
form of study Full-time
for the 2025–2026 academic year**

№	Thematic blocks	Hours (academic)
1.	Introduction in Ophthalmology. Anatomy and physiology of the visual organ. Methods of clinical examination of the ophthalmologic patients.	6
2.	Visual functions. Age dynamics of visual function' development.	6
3.	Physiological optics. Clinical refraction, its types: emmetropia, hyperopia, myopia, astigmatism. Principles of ametropias' correction. Accommodation and its disorders: paralysis, spasm, presbyopia, asthenopia. Pathology of the oculomotor apparatus. Concomitant and paralytic strabismus.	6
4.	Diseases of the eyelids and conjunctiva in adults and children. Diseases of the lacrimal organs in adults and children. Diseases of the orbital cavity.	6
5.	Diseases of the cornea in adults and children. Outcomes of keratitis. Episcleritis and scleritis in adults and children.	6
6.	Diseases of the vascular tract in adults and children. Ophthalmooncology in adults and children. Melanomas of the vascular tract. Retinoblastoma.	6
7.	Pathology of the lens. Cataracts: senile, complicated, congenital. Contemporary cataract surgery. Pathology of the vitreous body.	6
8.	Pathology of intraocular pressure. Primary glaucoma. Acute attack of closure-angle glaucoma: clinical features, differential diagnosis, treatment. Open angle glaucoma: clinical features, diagnostic considerations, drug therapy, surgery. Secondary glaucoma: main types and patient management. Congenital glaucoma: pathogenesis, clinical features, treatment.	6
9.	Ocular trauma in adults and children. Penetrating injuries of the eye-globe in adults and children. Blunt ocular trauma. Eyelid' injuries. Chemical and thermal burns of eye-globe and its adnexa. Urgent conditions in ocular trauma.	6

10.	Pathology of the retina (retinal detachment, central retinal artery obstruction, central retinal vein obstruction). Changes of eye fundus in systemic diseases (arterial hypertension, diabetes mellitus).	6
11.	Diseases of the optic nerve (optic neuritis, congestive optic disk, optic nerve atrophy).	6
12.	Clinical cases solving. Discussion of patients' curation results. Control of the level of formed competencies. Control of practical skills.	6
	Total	72

Considered at the meeting of the department of ophthalmology "06" June 2025, protocol № 14

Head of the Department



I.A.Gndoyan