

**Course Description****OPT1205 | Ocular anatomy, Physiology & Pathophysiology | 3.00 credits**

The structure and function of the systems of the human body, emphasizing the anatomy, physiology and pathophysiology of the human eye. Visual recognition of common eye disorders is also discussed. Corequisite: OPT1330

**Course Competencies:**

**Competency 1:** The student will identify and learn the ocular anatomical structures and functions so that appropriate verbal and written communication skills are properly used in the vision care industry by:

1. Identifying the cornea, sclera, choroid, ciliary body, iris, anterior and posterior chambers, crystalline lens, retina, optic nerve, lids, and glands

**Competency 2:** The student will recognize the symptoms of those sight-threatening entities such as glaucoma, acute iritis, vascular occlusion, retinal detachment, trauma, and corneal ulcers, which are ocular emergencies and require immediate medical evaluation and care by:

1. Identifying what can be infectious, inflammatory, allergic, metabolic, congenital, developmental, neoplastic, and traumatic
2. Learning and differentiating between a disease, pathology, and etiology

**Competency 3:** The student will recognize and define ocular diseases and emergencies based on the premise of knowing the anatomy and physiology and understanding what is considered abnormal by:

1. Identifying disorders and abnormalities, including a sty, Chalazion, Blepharitis, Ptosis, Ectropion, Entropion, Basal cell Carcinoma, and more

**Learning Outcomes:**

- Communicate effectively using listening, speaking, reading, and writing skills