



Broward Community College

Course Outline

Status: A

COMMON COURSE NUMBER: OPT 2223

COURSE TITLE: OCULAR PATHOLOGY AND PHARMACOLOGY II

CREDIT HOURS: 2

CONTACT HOURS BREAKDOWN:

Lecture / Discussion	<u>32</u>
Lab	<u>0</u>
Other (Clinic)	<u>0</u>

Contact Hours/ Week: 2

CATALOG COURSE DESCRIPTION

Continuation of OPH 2301: Theory and terminology of visual and systemic disorders that effect vision. Introduces the student to the general concepts of disease and the processes by which diseases evolve. The specific disorders that may occur in various parts of the eye and ocular adnexa are discussed in detail. The student will become familiar with diagnostic and therapeutic pharmaceutical agents used in vision care.

Prerequisite: OPT 2222

Co-requisite: OPT 2351, and OPT 2802

UNIT TITLES:

1. Orbit
2. Neuro-Ophthalmology
3. Ocular Disorders Associated With Systemic Diseases
4. Immunologic Diseases Of The Eye
5. Trauma
6. Glaucoma
7. Tumors
8. Blindness
9. Topical And Local Anesthetics

LAST REVIEW Academic Year 2004-2005 NEXT REVIEW Academic Year 2009-2010

Interim Revision Dates:

10. Mydriatics And Cycloplegics
11. Drugs Used In The Treatment Of Glaucoma
12. Topical Corticosteroids
13. Anti-Infective Ophthalmic And Systemic Drugs
14. Diagnostic Solutions

COURSE OVERVIEW:

Upon successful completion of this course, the students should be able to:
UNITS

UNIT 1: ORBIT

General Outcomes:

- 1 The student will be able to describe the pathological conditions that can affect the orbit.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 1.1 Discuss the basic anatomy of the orbit
- 1.2 Explain the physiology of symptoms of orbital pathology
- 1.3 Describe inflammatory orbital diseases

UNIT 2: NEURO-OPHTHALMOLOGY

General Outcomes:

- 2 The student will be able to identify the neurological conditions that can affect the eyes and vision.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 2.1 Describe the sensory visual pathway
- 2.2 Describe the optic nerve
- 2.3 Explain the diseases of the optic nerve
- 2.4 Define papilledema and optic atrophy
- 2.5 Explain diseases of the pupillary pathways
- 2.6 Describe extraocular muscle pathology
- 2.7 Explain central nervous system tumors of neuro-ophthalmologic importance
- 2.8 Discuss intracranial infections of ophthalmologic importance

UNIT 3: OCULAR DISORDERS ASSOCIATED WITH SYSTEMIC DISEASES

General Outcomes:

- 3 The student will be able to describe the pathological conditions of the eye that are associated with systemic diseases.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 4
- 5 Immunologic Diseases Of The Eye
- 6 Trauma
- 7 Glaucoma
- 8 Tumors
- 9 Blindness
- 10 Topical And Local Anesthetics
- 11 Mydriatics And Cycloplegics
- 12 Drugs Used In The Treatment Of Glaucoma
- 13 Topical Corticosteroids
- 14 Anti-Infective Ophthalmic And Systemic Drugs
- 15 Diagnostic Solutions