



Broward Community College

Course Outline

STATUS: ACTIVE

COMMON COURSE NUMBER : OPT 2801L

COURSE TITLE: VISION CARE CLINIC II

CREDIT HOURS: 4

CONTACT HOURS BREAKDOWN:

Lecture / Discussion	<u>0</u>
Lab	<u>0</u>
Other (Clinic)	<u>160</u>

Contact Hours/ Week: 10

CATALOG COURSE DESCRIPTION

Development of skills in tonometry, visual fields, A and B scan ultrasound, and photo-documentation. The student will follow the patient through the entire cycle of vision care under the supervision of the clinical staff.

Prerequisite: OPT 2375 OPT 2500L, OPT 2800L and

Co-requisite: OPT 2222, OPT 2350 and OPT 2940 and

UNIT TITLES:

- 1 EXAMINATION STRATEGY
- 2 PATIENT TRIAGE AND EMERGENCIES
- 3 UNIVERSAL PRECAUTIONS AND ASEPTIC TECHNIQUE
- 4 MANUAL PERIMETRY
- 5 OCULAR MOTILITY: BINOCULAR FUNCTION
- 6 OCULAR MOTILITY: STRABISMUS EVALUATION
- 7 OCULAR MOTILITY: EXTRAOCULAR MUSCLE FUNCTION
- 8 OCULAR MOTILITY: INCOMITANT DEVIATIONS
- 9 OPHTHALMIC PHOTOGRAPHY : FUNDUS AND EXTERNAL STRUCTURES
- 10 SLIT LAMP BIOMICROSCOPY -- BASIC
- 11 TONOMETRY: INDENTATION AND APPLANATION
- 12 A AND B SCAN ULTRASOUND
- 13 EYELID PROCEDURES
- 14 LACRIMAL SYSTEM TESTS

LAST REVIEW Academic Year 2006-07

NEXT REVIEW Academic Year 2011-12

Interim Revision Dates:

COURSE OVERVIEW:

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

UNITS

UNIT 1: EXAMINATION STRATEGY

General Outcomes:

- 1 The student will be able to approach any examination with the intention to document all pertinent information, and to perform the examination quickly and efficiently.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 1.1 Devise a typical format for examination of the eye depending on the type of problem presented
- 1.2 Differentiate between false positive and false negative results
- 1.3 Perform a new patient work-up

UNIT 2: PATIENT TRIAGE AND EMERGENCIES

General Outcomes:

- 2 The student will be able to perform the proper procedure to interact, screen, and triage a patient effectively.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 2.1 Demonstrate patient greeting procedures
- 2.2 Demonstrate patient screening procedures
- 2.3 Assist in the triage procedure
- 2.4 Assist in handling emergencies encountered in the office

UNIT 3: UNIVERSAL PRECAUTIONS AND ASEPTIC TECHNIQUE

General Outcomes:

- 3 The student will be able to perform the proper aseptic technique and discuss basic microbiology.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 3.1 Explain the transmission of infectious disease
- 3.2 Demonstrate how to control microbial agents by aseptic technique

UNIT 4: MANUAL PERIMETRY

General Outcomes:

- 4 The student will be able to demonstrate the procedure for performing manual perimetry and visual field screening.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 4.1 Differentiate between static and kinetic perimetry
- 4.2 Perform manual perimetry
- 4.3 Quantify scotomas and depressions

UNIT 5: OCULAR MOTILITY: BINOCULAR FUNCTION

General Outcomes:

- 5 The student will be able perform the procedure used to test binocular function.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 5.1 Demonstrate fixation
- 5.2 Perform sensory tests to evaluate fusion
- 5.3 Evaluate fusional amplitudes
- 5.4 Test relationship between accommodation and convergence

UNIT 6: OCULAR MOTILITY: STRABISMUS EVALUATION

General Outcomes:

6 The student will be able to demonstrate the procedure to evaluate strabismus.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 6.1 Assess fixation in both eyes simultaneously
- 6.2 Perform the cover-uncover test
- 6.3 Perform how to measure deviation by prism and alternate cover test
- 6.4 Record strabismus notations for the amount and direction of a deviation

UNIT 7: OCULAR MOTILITY: EXTRAOCULAR MUSCLE FUNCTION

General Outcomes:

7 The student will be able to perform evaluations of extraocular muscle function.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 7.1 Test the six (6) cardinal positions of gaze
- 7.2 Perform Hering's and Sherrington's laws

UNIT 8: OCULAR MOTILITY: INCOMITANT DEVIATIONS

General Outcomes:

- 8 The student will be able to demonstrate the method used to test incomitant deviations.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 8.1 Differentiate comitant from incomitant deviations
- 8.2 Perform the Bielschowsky's head tilt test
- 8.3 Perform the results of a three step test to find the paretic extraocular muscle
- 8.4 Perform A and V patterns
- 8.5 Understand the how and why of abnormal head postures

UNIT 9: OPTHALMIC PHOTOGRAPHY : FUNDUS AND EXTERNAL
 STRUCTURES

General Outcomes:

- 9 The student will be able to utilize the procedures followed in basic ophthalmic photography.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 9.1 Demonstrate the relationships among shutter speed, aperture and film speed
- 9.2 Demonstrate the benefit of an electronic flash
- 9.3 Differentiate digital, fluorescein, and indocyanine green angiograms
- 9.4 Take pictures with the non-mydratic fundus camera
- 9.5 Take pictures with the mydratic fundus camera

UNIT 10: SLIT LAMP BIOMICROSCOPY -- BASIC

General Outcomes:

10 The student will be able to perform the basic procedures used in a slit lamp examination.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 10.1 Demonstrate the operation of the slit lamp
- 10.2 Demonstrate six (6) methods of illuminations and an example of when to use each one

UNIT 11: TONOMETRY: APPLANATION AND INDENTATION

General Outcomes:

- 11 The student will be able to perform the various methods for determining intraocular pressure.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 11.1 Perform applanation and indentation tonometry
- 11.2 Properly record the test results

UNIT 12: A AND B SCAN ULTRASOUND

General Outcomes:

- 12 The student will be able to perform A and B Scan Ultrasound and to record the test results.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 12.1 Demonstrate proficiency in A and B Scan Ultrasound techniques
- 12.2 Record the information generated by Ultrasound

UNIT 13: EYELID PROCEDURES

General Outcomes:

13 The student will be able to demonstrate the methods used to examine the eyelids.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 13.1 Perform single and double eyelid eversion
- 13.2 Describe speculum insertion
- 13.3 Perform Meibomian gland expression
- 13.4 Describe sebaceous and sudoriferous cyst evacuation
- 13.5 Demonstrate eyelid scrubs

UNIT 14: LACRIMAL SYSTEM TESTS

General Outcomes:

14 The student will be able to perform tear systems tests.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 14.1 Perform the Schirmer Tear Test
- 14.2 Describe the Lactoferrin Immunoassay test
- 14.3 Describe punctal regurgitation and lacrimal sac palpation
- 14.4 Describe lacrimal dilation and irrigation
- 14.5 Describe the Jones Dye tests 1 and 2
- 14.6 Describe temporary intracanalicular collagen implants
- 14.7 Describe punctal plug insertion

UNIT 15: CASE STUDIES AND PRESENTATIONS

General Outcomes:

- 15 The student will be able to present case studies and patient histories to other students and professionals during Grand Rounds.

SPECIFIC LEARNING OBJECTIVES:

To successfully complete this module the student will:

- 15.1 Demonstrate the ability to communicate with other professionals
- 15.2 Answer questions regarding specific cases posed by other students and clinical supervisors