



BROWARD COLLEGE

COURSE OUTLINE

LAST REVIEW: 2010-2011

NEXT REVIEW: 2015-2016

STATUS: A

COURSE TITLE: OPHTHALMIC DISPENSING CLINIC I

COMMON COURSE NUMBER: OPT 2831L

CREDIT HOURS: 2

CONTACT HOUR BREAKDOWN 64

CLOCK HOURS:

Lecture:
Clinic: 4

Lab:
Other:

PREREQUISITE(S): OPT 2701

COREQUISITE(S):

COURSE DESCRIPTION: Continuation of OPT 2830L: Use of contact lens instruments to confirm all parameters for replacement lenses. Particular attention is devoted to the patient that is having problems with contact lenses after long-term wear due to corneal changes and sensitivity to solutions. Advanced over-refraction and contact lens fitting procedures.

UNIT TITLES

- 1 EXAMINATION AND CONSULTATION
- 2 ADVANCED CONTACT LENS FITTING PROCEDURES
- 3 SOFT V.S. RGP FITTING
- 4 KERATOCONUS
- 5 TORIC AND BI-TORIC FITTING
- 6 OVER-REFRACTION
- 7 PATIENT EDUCATION
- 8 FOLLOW-UP EXAMINATION
- 9 CONTACT LENS PATHOLOGY
- 10 CASE STUDIES AND PRESENTATIONS

REQUIRED TEXTS:

Lowther, G.E., CONTACT LENSES: PROCEDURES AND TECHNIQUES, 1982, Boston, Butterworths:

RECOMMENDED READING:

Stein, H.A., Slatt, B.J., Stein, R.M., THE OPHTHALMIC ASSISTANT, 2008, 8th ed, Mosby



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ASSESSMENT:

1. ATTENDANCE: REGULAR AND PUNCTUAL ATTENDANCE IS REQUIRED. Your presence is extremely beneficial for discussions and the sharing of experiences. The clinical presentations help clarify and supplement many of the lecture concepts. The student is expected to read each assignment in advance of each clinic session so as to be familiar with the scope and content of the clinical subject matter. This will allow the student to more effectively follow the material and minimize the need for note taking, thus allowing more opportunity for the student involvement by way of asking meaningful questions.
2. QUIZZES, MIDTERM AND FINAL EXAMINATIONS will be announced in advanced. At the end of each class period, additional written and / or oral reports may be required of the student. The student must be present at the time the tests are being administered to receive a grade. TESTS (MAKE-UP) WILL NOT BE RESCHEDULED AND A ZERO WILL BE RECORDED IF THE STUDENT MISSES THEM BECAUSE OF ABSENCES. The student must be present for the midterm and final examination at the scheduled times to receive a grade. There will be no exceptions to this attendance policy. Testing may include either or both a practical and a written component.
3. HOMEWORK: As required by the instructor to prepare for the next laboratory and / or quiz. In addition, each student is required to keep a current notebook including the syllabus, handouts, notes, quizzes, midterm and final examinations. The notebook is subject to perusal by the instructor at any time. THIS NOTEBOOK MUST BE SUBMITTED TO THE INSTRUCTOR BEFORE THE FINAL EXAMINATION AND WILL BE GRADED AT THAT TIME. FAILURE TO TURN IN A NOTEBOOK WILL RESULT IN AN INCOMPLETE FOR THE COURSE.
4. DAILY GRADES: Each student will fill out a daily performance form describing the work preformed and skills learned. This form will also be used by the instructor to evaluate the student's quality and quantity of work, as well as their attitude and professionalism for that day. Failure to turn in the completed form at the end of each day MAY result in a zero being recorded and an absence charged to the student.

The following points will be deducted from the daily grades:

- | | | |
|----|---|-----------|
| A. | Performance form turned in late. | 10 points |
| B. | Failure to comply with Dress code. | 10 points |
| C. | Late arrival (3 times late counts as one absence) | 10 points |
| D. | Unprofessional behavior | 10 points |
| E. | Consistent low quantity work | 10 points |
| F. | Consistent poor quality of work | 10 points |



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5. GRADING PROCESS:

1.	Daily grades (and quizzes)	=	50%
2.	Midterm exam	=	15%
3.	Final exam	=	15%
4.	Notebook	=	20%
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			100%

Letter Grade

S = Pass

F = Fail

Students need a grade of 70% or better to pass this course.



UNITS

Unit 1 PRELIMINARY EXAMINATION AND CONSULTATION

General Outcome:

1.0The student shall: be able to demonstrate the importance of the pre-fitting exam and the recording of information. Determination of a good candidate, baseline visual status, and record keeping will be discussed.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 1.1 Demonstrate the procedures for taking a visual acuity
- 1.2 Demonstrate the procedures for using a Keratometer
- 1.3 Describe the procedure for extending the range of the Keratometer
- 1.4 Explain the use of peripheral Keratometry
- 1.5 Describe the use of a Photokeratocscope
- 1.6 Demonstrate the procedure used in taking a “K” reading with an automated Keratometer
- 1.7 Use the Slit-Lamp Biomicroscope in an examination for contact lenses
- 1.8 Demonstrate the use of stains to examine the eye
- 1.9 Perform lid eversion
- 1.10 Compare two (2) methods of determining the quality of the tear film
- 1.11 Measure the various ocular dimensions

Unit 2 ADVANCED CONTACT LENS FITTING PROCEDURES

General Outcome:

2.0The student shall: be able to demonstrate the procedure for advanced fitting using the trial lenses and manufacture consultation.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 2.1 Perform rigid lens placement and removal
- 2.2 Demonstrate normal and abnormal fluorescein patterns
- 2.3 Describe the interaction of base and peripheral cures on rigid contact lenses
- 2.4 Perform the procedure for fitting hydrogel contact lenses



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Unit 3 SOFT V.s. RGP FITTING

General Outcome:

3.0The student shall: be able to discuss the rational for fitting RGP or soft contact lenses

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 3.1 Differentiate between soft and RGP lenses
- 3.2 Demonstrate which lens gives acceptable vision V.s. acceptable comfort

Unit 4 KERATOCONUS

General Outcome:

4.0The student shall: be able to demonstrate the procedure for fitting keratoconus contact lenses

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 4.1 Describe the pathology of keratoconus
- 4.2 Demonstrate the fitting technique for contact lenses that correct for keratoconus

Unit 5 TORIC AND BI-TORIC FITTING

General Outcome:

5.0The student shall: be able to demonstrate the procedure for astigmatic correcting contact lenses.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 5.1 Determine the need for astigmatic correction
- 5.2 Demonstrate the fitting techniques of a toric and bi-toric lens
- 5.3 Describe and illustrate the fluorescein patterns

Unit 6 OVERREFRACTION

General Outcome:

6.0The student shall: be able to perform an overrefraction to determine the best visual acuity

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 6.1 Demonstrate the procedures for refracting a patient wearing contact lenses
- 6.2 Determine if a change in the prescription for the contact lens is needed



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Unit 7 PATIENT EDUCATION

General Outcome:

7.0The student shall: be able to communicate to a patient the proper placement, removal and care of contact lenses as well as educating the patient to signs, symptoms, and proper follow-up care.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 7.1 Describe the general principles of educational aids in contact lens education
- 7.2 Demonstrate emergency procedures to a new contact lens wearer
- 7.3 Describe the use of cosmetics and proper hygiene with contact lenses
- 7.4 Describe normal adaptation sensations
- 7.5 Explain proper wearing schedules
- 7.6 Explain the techniques of lens wear for hydrogel contact lenses
- 7.7 Demonstrate proper lens handling by the patient

Unit 8 FOLLOW-UP EXAMINATION

General Outcome:

8.0The student shall: be able to demonstrate the procedure for the follow-up examination.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 8.1 Perform a follow-up examination
- 8.2 Record the history and symptoms
- 8.3 Evaluate the fit of a contact lens
- 8.4 Describe various fluorescein patterns

Unit 9 CONTACT LENS PATHOLOGY

General Outcome:

9.0The student shall: be able to determine if the patient has abnormal symptoms and/or any pathology that should be referred back to the doctor.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 9.1 Differentiate between normal and abnormal adaptation
- 9.2 Discuss contact lens pathology



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Unit 10 CASE STUDIES AND PRESENTATIONS

General Outcome:

10.0The student shall: be able to present case studies and patient histories to other students and professionals during “Grand Rounds”.

Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

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