

LAST REVIEW: 2011-2011

NEXT REVIEW: 2015-2016

STATUS: A

COURSE TITLE OPHTHALMIC DISPENSING CLINIC II

COMMON COURSE NUMBER: OPT 2461

CREDIT HOURS: 2

CONTACT HOUR BREAKDOWN 120

Lecture:

Lab:

Clinic:

Other: **120**

PREREQUISITE(S): OPT 1210, OPT 1110, OPT 1110 L and OPT 2493

COREQUISITE(S): OPT 1150, OPT 1150L and OPT 1460L

PRE or COREQUISITE(S):

COURSE DESCRIPTION

This is a continuation of OPT2460. It involves advanced skills in the fitting and dispensing of ophthalmic lenses. Students will work under the supervision of clinical staff in dispensing glasses to patients of the Vision Care Clinic. Students will practice advanced techniques used to dispense new technology in ophthalmic frame materials, multifocal lenses including progressive power and occupational bifocals, high index lenses, and low vision devices.

UNIT TITLES

1. ADVANCED FRAME SELECTION AND COSMETICS
2. SPECIAL PURPOSE FRAMES AND LOW VISION DEVICES
3. PROGRESSIVE MYOPIA AND APHAKIA
4. SPECIALTY LENSES, PROGRESSIVE ADDITION LENSES, AND OCCUPATIONAL MULTI-FOCAL LENSES
5. ORDERING AND VERIFICATION
6. ALIGNMENT OF THE FRAME
7. ADJUSTING THE FRAME
8. FRAME REPAIRS

OPT 2461

UNIT 1: ADVANCED FRAME SELECTION AND COSMETICS

General Outcome:

1.0 The student shall: determine the special fitting requirements of a specific prescription also taking into account any special or abnormal cosmetic considerations.

Specific Measurable Learning Outcomes:

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

- 1.1 Determine if a prescription requires a special frame or special fitting techniques.
- 1.2 Advise a patient as to any special requirements for optimal fitting and best optics.
- 1.3 Demonstrate knowledge of facial shapes.
- 1.4 Explain to a patient how frame cosmetics will affect facial cosmetics.

UNIT 2: SPECIAL PURPOSE FRAMES AND LOW VISION DEVICES

General Outcome:

2.0 The student shall: will determine how a frame can be used for mounting special lenses and low vision aids

Specific Measurable Learning Outcomes:

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

- 2.1 Determine if lens accessories are needed.
- 2.2 Demonstrate knowledge of frame style and construction when fitting the high minus or high plus lens wearer.
- 2.3 Determine the optical effects of various frame shapes.
- 2.4 Determine the change in effective power of a lens when the frame fit is changed.
- 2.5 List five (5) types of specialty frames.
- 2.6 Demonstrate knowledge of occupational safety frame requirements according to ANSI Z-87 standards.

UNIT 3: PROGRESSIVE MYOPIA AND APHAKIA

General Outcome:

3.0 The student shall: determine how a frame can be used for mounting special lenses used for high myopia and high hyperopia

OPT 2461

UNIT 3: PROGRESSIVE MYOPIA AND APHAKIA continued

Specific Measurable Learning Outcomes:

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

- 3.1 Determine which frames can be used for aphakic prescriptions.
- 3.2 Determine which frames can be used for progressive myopia.

UNIT 4: SPECIALTY LENSES, PROGRESSIVE ADDITION LENSES, AND OCCUPATIONAL MULTI-FOCAL LENSES

General Outcome:

4.0 The student shall: demonstrate the knowledge needed to dispense high powered and occupational lenses.

Specific Measurable Learning Outcomes:

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

- 4.1 Demonstrate the special fitting techniques with aphakic lenses.
- 4.2 Demonstrate the special fitting techniques with high minus lenticular lenses.
- 4.3 Demonstrate the special techniques of fitting occupational lenses.

UNIT 5: ORDERING AND VERIFICATION

General Outcome:

5.0 The student shall: will demonstrate knowledge of the procedure used in adjusting the frame to custom fit a patient's face.

Specific Measurable Learning Outcomes:

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

- 5.1 Demonstrate methods of changing the pantoscopic tilt on various frames.
- 5.2 Demonstrate the procedure to adjust nose pads.
- 5.3 Demonstrate the methods used in correcting the fit of a bridge.
- 5.4 Determine how to move a frame horizontally.
- 5.5 Demonstrate proper temple fit.
- 5.6 Demonstrate proper frame fitting.

OPT 2461**UNIT 6: ALIGNMENT OF THE FRAME****General Outcome:**

6.0 The student shall: demonstrate a working knowledge of the procedure used in “truing” or placing the frame in a standard alignment.

Specific Measurable Learning Outcomes:

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

- 6.1 Demonstrate “truing” or standard alignment.
- 6.2 Correctly heat and reshape a frame.
- 6.3 Align the bridge of a plastic frame.
- 6.4 Place a plastic frame in correct “four-point” touch.
- 6.5 Align of the temples in a plastic frame.
- 6.6 Correct temple spread problems for a plastic frame.
- 6.7 Align temple-fold angle of a plastic frame.
- 6.8 Align the bridge of a metal frame.
- 6.9 Place a metal frame in proper “four-point” touch.
- 6.10 Align the temples of a metal frame.
- 6.11 Correct temple spread problems for a metal frame.

UNIT 7: ADJUSTING THE FRAME**General Outcome:**

7.0 The student shall: demonstrate a working knowledge of the procedure and methods used in making minor frame repairs.

Specific Measurable Learning Outcomes:

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

- 7.1 Demonstrate the proper methods for repairing hinges.
- 7.2 Repair broken plastic frames.
- 7.3 Demonstrate wire brace bridge repairs.
- 7.4 Fix loose fitting lenses.
- 7.5 Clean frames.
- 7.6 Demonstrate frame soldering.

OPT 2461

UNIT 8: FRAME REPAIRS

General Outcomes:

8.0 The student will demonstrate a working knowledge of the procedure and methods used in making minor frame repairs.

Specific Measurable Learning Outcomes:

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

- 8.1 Demonstrate the proper methods for repairing hinges.
- 8.2 Repair broken plastic frames.
- 8.3 Demonstrate wire brace bridge repairs.
- 8.4 Fix loose fitting lenses.
- 8.5 Clean frames.
- 8.6 Demonstrate frame soldering.