

**Course Description****OPT2451 | Ophthalmic Dispensing Procedures 2 | 1.00 credits**

Theory and terminology of advanced ophthalmic dispensing. Emphasis will be placed on new technology in ophthalmic frame materials; multifocal lenses including progressive power and blended bifocals; and high index lenses. The process of analyzing the patient's specific needs for the proper frame and lens selection is highlighted. Prerequisites: OPT1450, 1450L; corequisite: OPT2451L.

**Course Competencies:**

**Competency 1:** The student will continue to identify the different frame materials and frame parts by:

1. Identifying Zyl, polyamide, nylon, octyl, and propionate.
2. Identifying temples, frame front, end pieces, temple covers, guard arms, nose pads, shields, and rivets.
3. Explain the differences and advantages of different types of frame materials.

**Competency 2:** The student will explain the advantages and disadvantages of the different frame types and styles for various prescriptions by:

1. Explaining the advantages of specific frame styles for myopic prescriptions.
2. Explaining advantages of specific frame styles for hyperopic prescriptions.
3. Describing the advantages of specific frames for sports activities.
4. Describe the different types of bridges that are available.
5. Explaining how to select frames for children and the elderly.
6. Explaining cosmetic considerations to the patient.
7. Explain the advantages of specific frame styles for presbyopic prescriptions.

**Competency 3:** The student will continue to identify the different lens materials and explain the advantages and disadvantages by:

1. Identifying different lens materials.
2. Explain the advantages and disadvantages of different lens materials.
3. Explain protective eyewear and demonstrate its advantages.

**Competency 4:** The student will state the procedures needed to adjust frames to standard alignment and a patient's face by:

1. Identifying causes of complaints.
2. Evaluating proper temple spread.
3. Evaluating proper pantoscopic angle.
4. Evaluating proper vertex distance.
5. Describe how to move the frame from left to right.
6. Describing how to adjust the pads.
7. Evaluating temple bends.

**Competency 5:** The student will list and perform the procedures needed to make minor repairs on a patient's frame by:

1. Describe how to repair loose temples and temples that are spread too far or narrow.
2. Describe how to replace missing or broken temples.
3. Describe how to replace adjustable nose pads.
4. Describing how to repair loose lenses.
5. Explaining how to replace hidden hinges and riveted hinges.

**Competency 6:** The student will list and identify the criteria used to determine the quality of a completed pair of spectacles by:

1. Demonstrating knowledge of ANSI Standards.
2. Identifying standard alignment and adjusting misalignments.
3. Evaluating eyewear regarding cosmetic appearance and symmetry.

**Learning Outcomes:**

1. Communication