

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: OPT 160

Credits: 3

Course Title: Optical Dispensing Theory I

Course Description: Introduces the student to the skills necessary for becoming a dispensing optician. Includes the history of the profession, patient/client measurements, frame and lens materials, frame and lens selection, prescription analysis, and adjustment techniques. Prerequisite: OPT 121 or equivalent. Co-requisite: OPT 165. Lecture 3 hours per week.

General Course Purpose: The purpose of this course is to give students a knowledge base in the theory behind basic optical dispensing techniques so that they may become qualified opticians.

Course Prerequisites and Co-requisites:

Prerequisite: OPT 121 or equivalent

Corequisite: OPT 165

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Determine the appropriate patient's pupillary distance required;
- b. Identify appropriate frame styles for patients based on prescription and lifestyle needs;
- c. Demonstrate knowledge of lifestyle dispensing;
- d. Analyze prescription and patient visual needs for all types of prescriptions;
- e. Recommend appropriate lens materials and treatments;
- f. Explain the adjustment needed to correct the alignment of a frame;
- g. Identify the appropriate tool for the adjustment required; and
- h. Identify the agencies that govern opticianry and explain their purpose.

Major Topics to Be Included:

- a. Frame and lens materials – interpupillary measurements
- b. Frame recommendations
- c. Lens materials
- d. Selecting the correct multifocal and measuring segment heights
- e. Fitting specialty eyewear
- f. Optical tools
- g. Frame adjustments
- h. Laws governing opticianry

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