

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

Course Prefix and Number: OPT 160

Credits: 3

Course Title: Optical Dispensing Theory I

Course Description (including lecture hours, lab hours, total contacts)

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. Lecture 3 hours per week.

General Course Purpose

The purpose of this course is to give the student a knowledge base in the theory behind basic optical dispensing techniques so that they may become a qualified optician.

Course Prerequisites/Corequisites

OPT 121, or equivalent

Corequisite: OPT 165

Course Objectives

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
- 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 & Measuring Segment heights
- e. Fitting Specialty Eyewear
- f. Optical Tools
- g. Frame Adjustments
- h. Laws Governing Opticianry

Effective Date of Course Content Summary (Month, Date Year): August 1, 2008