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