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

Date Created/Updated (Month, Day, and Year): January 30, 2019