

OPH 132
OPTICAL DISPENSING II

COURSE DESCRIPTION:

Prerequisites: OPH 131 and OPH 141

Corequisites: None

This course continues the study of optical dispensing begun in OPH 131. Emphasis is on advanced dispensing skills. Upon completion, students should be able to design and dispense appropriate eyewear for a variety of patients. Course Hours Per Week: Class, 3. Lab, 2. Semester Hours Credit, 4.

COURSE OBJECTIVES:

- a. Describe the effect of wanted and unwanted prism in eyewear.
- b. Use basic optical principles to describe the function of multifocals.
- c. Analyze prescriptions according to the classification of ametropia.
- d. Perform single-vision and multifocal vertical imbalance computations.
- e. Determine methods of correction for vertical imbalance.
- f. Describe the effect of changing the vertex distance of eyewear.
- g. Classify lenses and frames based on customer's needs.
- h. Describe frame adjustments to ensure patient comfort.
- i. Describe the effects of radiation on the eye.
- j. Classify absorptive lenses according to their properties and CID 12 Ed 015 db 4I0rcMe5db4I0rcMe5db4I0r15 Td.

- V. Single vision vertical imbalance
 - A. Reading level calculation
 - B. Definition of vertical imbalance
 - C. Formula to solve vertical imbalance
 - 1.) Prentice's rule
 - 2.)