

**OPH 131  
OPTICAL DISPENSING I**

**COURSE DESCRIPTION:**

Prerequisites: Gptqnn o gpv"kp"Qr

## **OUTLINE OF INSTRUCTION:**

- I. History of optics and eyewear
  - A. Pre-nineteenth century
  - B. Nineteenth century
  - C. Modern developments
  
- II. Training, functions and types of eyecare professionals
  - A. Job descriptions
  - B. Optical dispensaries
  - C. Educational requirements
  - D. Optical organizations
  
- III. Measurements
  - A. Pupillary measurements
  - B. Frame measurements
  - C. Lens measurements
  
- IV. Single-vision & multifocal lenses
  - A. Types
  - B. Materials
  - C. Progressive addition lenses
  - D. Selection of the correct multifocal
  
- V. Frame materials
  - A. Terminology
  - B. Materials
  
- VI. Frame alignment and adjustment
  - A. Standard alignments
  - B. Using optical hand tools
  
- VII. Frame selection
  - A. Face shape analysis
  - B. Rx analysis
  - C. Specialty eyewear
  - D. Lifestyle dispensing
  
- VIII. Eyewear repair
  - A. Broken screws
  - B. Hidden hinge repair
  - C. Restringing
  
- IX. Optical office / Customer care
  - A. Record keeping
  - B. Telephone skills

- C. Interpersonal skills
  - D. Lens and frame pricing strategies
- X. Accommodative Mechanism
- A. Ocular structures
  - B. Definition of accommodation
  - C. Description of presbyopia
- XI. Rules and regulations
- A. Federal laws
    - 1.) FTC
    - 2.) OSHA
    - 3.) FDA
  - B. State laws

**REQUIRED TEXTBOOK AND MATERIALS:**

Brooks & Borish. Systems for Ophthalmic Dispensing. 2<sup>nd</sup> ed. The Professional Press, 1996.

**STATEMENT FOR STUDENTS WITH DISABILITIES:**

Uvwfgpvu" y j q" t g s w k t g" c e c f g o k e" c e e q o o q f c v k q p u" f w g" v q" c p { " r j { u k e c n." r u { e j q n q i k e c n." q t" n g c t p k p i" f k u c d k n k v { " c t g" g p e q w t c i g f" v q" t g s w g u v" c u u k u v c p e g" h t q o " c" f k u c d k n k v { " u g t x k e g u" e q w p u g n q t" y k v j k p" v j g" h k t u v" v y q" y g g m u" q h" e n c u u 0" " N k m g y k u g." u v w f g p v u" y j q" r q v g p v k c n n { " t