

**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:**

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