# OPH 215
# LABORATORY PROFICIENCY

## COURSE DESCRIPTION:

Prerequisites: Final Semester of the program
Corequisites: OPH 243, OPH 262

This course provides preparation for the NC State Board of Opticians Examination. Emphasis is on speed and accuracy in all items on the competence list. Upon completion, students should be able to safely and accurately demonstrate proficiency in all items on the laboratory competence list. Course Hours Per Week: Lab, 6. Semester Hours Credit, 2.

## COURSE OBJECTIVES:

a.  Apply the rules and regulations for the surfacing and finishing laboratory as stated by OSHA, ANSI, and EPA.
b.  Layout, block, surface and finish a variety of lens materials to a variety of frames.
c.  Neutralize eyewear prescriptions.

## OUTLINE OF INSTRUCTION:

I.      Review and observe lab safety and OSHA Regulations
        A.  Clothing safety
        B.  Eye safety
        C.  Safe use and disposal of laboratory chemicals

II.     Single Vision Lenses
        A.  Analyze
        B.  Layout
        C.  Rework to shape

III.    Multifocal/Progressive
        A.  Analyze / Identify
        B.  Layout

IV.     Timed Neutralizations

V.      Lens processing
        A.  Tinting
        B.  Impact treating
        C.  Drilling/grooving

VI.    Frame repairs
      A.  Plastic frame repairs
      B.  Metal frame repairs

VII.   Record keeping/Cost/Inventory


**REQUIRED TEXTBOOKS AND MATERIALS:**

Brooks. <u>Understanding Lens Surfacing</u>. Butterworth-Heinemann, 1992.

Brooks. <u>Essentials for Ophthalmic Lens Finishing.</u> 2<sup>nd</sup> ed. Elsevier, 2003.


**STATEMENT FOR STUDENTS WITH DISABILITIES:**

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