

Douglas

CURRICULUM GUIDELINES

College

Date: **January 8, 2001**

A: Division: **HEALTH SCIENCES**

New Course Program Area: **PROGRAM**

Revision

B: Department/ **DISPENSING OPTICIAN**

If Revision Section(s) Revised: **II, III, IV, V**

Date Last Revised: **1/8/01**

M: Course Objectives/Learning Outcomes

Upon Successful Completion the Student will be able to -

1. Define Ophthalmic terminology pertaining to clinical evaluation

2. Neutralize a myopic, hyperopic, and astigmatic prescription for an eye with an existing

3. Define the function of various ophthalmic instruments used in the scope of practice of an optician

N: Course Content

1. Introduction

- course content and requirements
- review of DOPT 100
- working partnerships with Ophthalmology and Optometry

2. Clinical Theory II

- ophthalmic terminology and instrumentation
- neutralizing prescriptions lenses with the lensometer
- neutralizing bifocal, trifocal, and progressive lenses
- functions of instruments used in Ophthalmology and Optometry
 - Autorefractor
 - Keratometer
 - Biometer
 - Ophthalmic Tonometer
 - Microscope
 - Pseudoisochromatic Plates
 - ultrasonic scanning
 - visual field tests

3. Physical Optics II & Applied Math II

- effective and compensated powers of a lens
- vergence of light
- converting vertex power of a lens
- combinations of prescriptions
- combining spherical, spherocylinder, and spherocylinder with opposite lens axis

Applied Optics II : A. Lenses

4. A

ic terms pertaining to surgical alternatives to spectacle and/or contact lens

5. **Surgical Alternatives**
Medical and ophthalm

DOT 000 01

DISPENSING JOURNAL

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