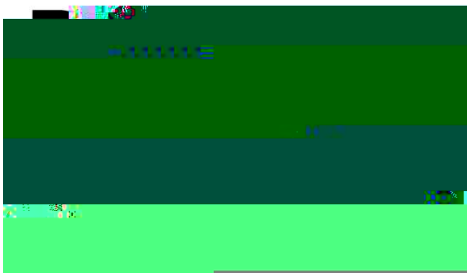

EFFECTIVE: JANUARY 2013
CURRICULUM GUIDELINES

A. Division: Academic

Effective Date: January 2013

B. Department / Program Area: Faculty of Science & Technology / Dispensing Optician

Revision [X] New Course [ ]

If Revision, Section(s) Revised: E, K

Date of Previous Revision: February 2012

Date of Current Revision: May 2012

C: DOPT 2213 (Subject & Course No.)

D: Laboratory in Contact Lenses and Optical Technologies II (Descriptive Title)

E: 6

M: Course Objectives / Learning Outcomes:

Upon successful completion, the student will be able to:

1. Demonstrate progressive competency with the use of instruments for soft and gas permeable contact lens fitting and analysis
2. Demonstrate the steps of a typical soft or gas permeable lens pre-fit evaluation, diagnostic fitting, and post-fit evaluation
3. Demonstrate proper soft and gas permeable lens care and hygiene
4. Access online pharmaceutical information on ocular medications
5. Perform gas permeable lens parameter modifications
6. Perform an over-refraction process in a typical contact lens fitting
7. Describe and perform an automated sight-tight testing procedure
8. Describe the steps in a refraction assessment
9. Describe and perform important steps in boutique eyeglass and contact lens strategies

N: Course Content:

1. Introduction
   a. Laboratory objectives
   b. Laboratory hygiene
   c. Office Instruments

2. Refraction, Automated Sight Testing and Over-Refraction with Contact Lenses
   a. Phoropter and Trial lens acuity set
   b. Mathematical calculations
   c. Verifying spherical lens correction
   d. Verifying toric lens correction
   e. Verifying presbyopic corrections
   f. Visual acuity complication
   g. Co-manage and recognize when to refer to an Optometrist, Ophthalmologist, or MD

3. Soft and Gas Permeable Lens Types, Materials Characteristics, and Fitting Relationship to Ocular Health

4. Soft and Gas Permeable Lens Solution Properties, Chemical Compounds, and Relationship to Ocular Health

5. Contaminants, Complications,s 0 1 .7 reW1 0 0ties,21tegigied17(h)6(if)-2(icatio)-3(n)-5(g)6( )-2e(b)-50 1 .7