



DOUGLAS COLLEGE

**EFFECTIVE: SEPTEMBER 2012
CURRICULUM GUIDELINES**

A. Division: Academic Effective Date: September 2012

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

If Revision, Section(s) Revised: A, B, F, K, N
 Date of Previous Revision: June 2009
 Date of Current Revision: February 2012

C: DOPT 2213 **D:** Laboratory in Contact Lenses and Optical Technologies II **E:** 4

Subject & Course No.	Descriptive Title	Semester Credits
F: Calendar Description:		
<p>This course provides learning opportunities in contact lenses and optical technologies at an advanced level. Students will apply knowledge and skills from related theory and laboratory courses to the clinical dispensary. Students will continue their clinical practice in a retail contact lens practice or the on campus clinic. They will complete their clinical skills under the direct supervision of a program approved licensed eyecare professional. A one-week on-campus (laboratory and clinical) instruction component may be required near the end of the semester to complete the course.</p>		
G: Allocation of Contact Hours to Type of Instruction / Learning Settings	H: Course Prerequisites:	
	DOPT 2101 and DOPT 2113	
	I: Course Corequisites:	
	DOPT 2211	
Primary Methods of Instructional Delivery and/or Learning Settings:	J: Course for which this Course is a Prerequisite:	
	DOPT 2311	
Lecture / Distance / Laboratory	K: Maximum Class Size:	
Number of Contact Hours: (per week / semester for each descriptor)	120 hours	30
Lecture / Distance / Laboratory:		
Number of Weeks per Semester:		
15		
L: PLEASE INDICATE:		
<input type="checkbox"/>	Non-Credit	
<input checked="" type="checkbox"/>	College Credit Non-Transfer	
<input type="checkbox"/>	College Credit Transfer:	
SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bctransferguide.ca)		

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, and Contraindications Related to Ocular Health
6. Lens Damage and the Relationship to Fitting Complications
7. Soft and Gas Permeable Specialty Materials and Fitting Applications
 - a. Keratoconus lenses
 - b. Astigmatic lenses
 - c. Piggy - Back lenses
 - d. Aphakic lenses
 - e. Pediatric lenses
 - f. Orthokeratology lenses
8. Soft and Gas Permeable Lens Design Analysis and Parameter Modification
9. Boutique Dispensing Strategies

O: Methods of Instruction:

1. Lectures
2. Independent study of courseware
3. Independent completion of online self-assessment quizzes
4. Completion of field assignments
5. Participation in online Discussion Forums

P: Textbooks and Materials to be Purchased by Students: A list of required and optional textbooks and materials is provided for students at the beginning of each semester.
Q: Means of Assessment: The course evaluation is consistent with Douglas College evaluation policy. An evaluation schedule is presented at the beginning of the course.
R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR Yes.

Course Designer(s) DOPT Faculty

Education Council / Curriculum Committee Representative

Dean / Director: Dr. Thor Borgford

Registrar