



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, M, N, O, P, Q
 Date of Previous Revision: October 2007
 Date of Current Revision: February 2012

C: DOPT 1112 **D:** Dispensing Optician Lab Skills I **E:** 5

Subject & Course No.	Descriptive Title	Semester Credits						
<p>F: Calendar Description:</p> <p>This course provides students with the laboratory skills for quality control of lenses and the ability to layout and prepare lenses for edging. Students will learn how to maintain the equipment and tools associated with the edging and finishing laboratory. It provides the student with skills to insert and mount lenses into various frame materials and designs.</p>								
<p>G: Allocation of Contact Hours to Type of Instruction / Learning Settings</p> <p>Primary Methods of Instructional Delivery and/or Learning Settings:</p> <p>Laboratory</p> <p>Number of Contact Hours: (per week / semester for each descriptor)</p> <p>Laboratory: 150 hours</p> <p>Number of Weeks per Semester:</p> <p>15</p>	<p>H: Course Prerequisites:</p> <p>Nil</p>							
	<p>I: Course Corequisites:</p> <p>DOPT 1100</p>							
	<p>J: Course for which this Course is a Prerequisite</p> <p>DOPT 1200, DOPT 1210, DOPT 1212</p>							
	<p>K: Maximum Class Size:</p> <p>15</p>							
<p>L: PLEASE INDICATE:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;"><input type="checkbox"/></td> <td>Non-Credit</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>College Credit Non-Transfer</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>College Credit Transfer:</td> </tr> </table> <p style="text-align: center;">SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bctransferguide.ca)</p>			<input type="checkbox"/>	Non-Credit	<input checked="" type="checkbox"/>	College Credit Non-Transfer	<input type="checkbox"/>	College Credit Transfer:
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M: Course Objectives / Learning Outcomes

Upon successful completion, the student will be able to:

- spot check lenses for surface quality
- verify the power of a single vision lens with the lensometer
- mark the optical centre and major reference point of a single vision lens
- calculate horizontal and vertical lens centration
- calculate lens blank size requirements
- equipment for dispensing eyeglasses including the lensometer, pupilometer, distometer, lens clock ruler and thickness callipers
- perform the process of lens edging
- edge polish lenses
- perform lens insertion and mounting with various frame designs and materials
- define ophthalmic terms pertaining to frame materials, designs, fitting and adjustments
- perform frame fitting and adjustments

N: Course Content:

1. Introduction

- course content and requirements
- orientation of the equipment and tools
- an overview of the edging process
- introduction to industry standard charts
- safety procedures in the laboratory

2. Spotting of Lenses

- checking for optimal surface quality
- use of the lensometer
- power verification of single vision lenses
- optical centre versus major reference point
-

- verification with polariscope
- variations in lens materials

8. Hand Edging

- purpose of hand edging
- developing the correct technique
- correctional modifications
- edge polishing

9. Lens Insertion and Mounting

- frame materials
- mounting design variations