



EFFECTIVE: JANUARY 2013 CURRICULUM GUIDELINES

A. Division: Academic Effective Date: January 2013

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

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

Date of Previous Revision: February 2012

Date of Current Revision: May 2012

C: DOPT 2201 **D:** Theory in Contact Lenses and Optical Technologies II **E:** 4

Subject & Course No.	Descriptive Title	Semester Credits
F: Calendar Description:		
<p>This course provides theory and interpretation of contact lens fitting procedures at an advanced level. It provides the skills to complete the procedure of fitting contact lenses by implementing patient pre-fit evaluation, instrumentation, measurements, trial lens fitting, and post-fit evaluation. It provides students the abilities needed to interpret and apply fitting techniques of specialty contact lenses for difficult visual and / or corneal abnormalities and to identify current refractive surgical alternatives available. The course provides basic skills necessary for managing a contact lens practice, for effective patient record keeping, relationships, and recall systems. The course provides continuing instruction in advanced concepts and applications to refractive error determination and automated sight testing. It promotes a comprehensive knowledge of professional standards of practice.</p>		
G: Allocation of Contact Hours to Type of Instruction / Learning Settings	H: Course Prerequisites:	
	DOPT 2101	
	I: Course Corequisites:	
Primary Methods of Instructional Delivery and/or Learning Settings:	None	
Lecture		
Number of Contact Hours: (per week / semester for each descriptor)	J: Course for which this Course is a Prerequisite:	
Lecture	60 hours	DOPT 2311

Number of Weeks per Semester:

M: Course Objectives / Learning Outcomes:

Upon successful completion, the student will be able to:

1. Review and describe the corneal topography of a healthy eye
2. Review and describe the pathology of the visual system
3. Describe the effects of ophthalmic ocular medications
4. Describe the aspects of a successful contact lens practice
5. Describe main concepts in refractive ocular surgery
6. Describe the complete process of a contact lens fitting
7. Recognize ocular situations that require referral for further care
8. Describe the specialty contact lens fitting concepts
9. Apply the Standards of Practice of Dispensing Opticians (Contact Lenses) from the College of Opticians of B.C.

N: Course Content:

1. Introduction
 - a. Course Content and Requirements
 - b. Working relationships with Ophthalmology and Optometry
 - c. Regulatory Body Website and Reference Tools
2. Anatomy & Physiology
 - a. Automated Corneal Topography
 - b. Physiological Defects of the Eye
 - c. Ocutouch anatomy, physiology, and pathology software
 - d. Ocular tonometry
 - e. Ocular Neurology
 - f. Ocular Circulatory System
 - g. Refraction and Automated Sight-testing
3. Refractive Surgery
 - a. Corneal Refractive Surgery
 - b. Intraocular Refractive Surgery
 - c. Risks, complications and contraindications of refractive surgery
 - d. Equipment, instrumentation, and procedural analysis of refractive surgery procedures
4. Pharmacology
 - a. Ophthalmic Diagnostic Agents and their usage
 - b. Ophthalmic Therapeutic Agents and their usage
 - c. Contraindications to Contact Lens Wear
 - d. Use of online journals and databases for ocular medication information
5. Contact Lens Business Management
 - a. Contact Lens Instruments
 - b. Office Computerization

O: Methods of Instruction:

1. Lectures