DOUGLAS COLLEGE

EFFECTIVE: SEPTEMBER 2012
CURRICULUM GUIDELINES

A.	Division:	Academic	Effective Date:		September 2012	
B.	Department / Program Area:	Faculty of Science & Technology / Dispensing Optician	Revision	X	New Course	
			If Revision, Section(s) Revised:		A, B, G, K, O	
			Date of Previous Revision:		June 2009	
			Date of Current Revision:		February 2012	

C: DOPT 2201 **D:** Theory in Contact Lenses and Optical Technologies II **E:** 7

Subject & Course No. | Descriptive Title | Semester Credits

F: Calendar Description:

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.

G: Allocation of Contact Hours to Type of Instruction / Learning Settings

Primary Methods of Instructional Delivery and/or Learning Settings:

Lecture / Distance

Number of Contact Hours: (per week / semester for each descriptor)

Lecture	60 hours
Student Directed Learning	90 hours

Number of Weeks per Semester:

15

H: Course Prerequisites:

DOPT 2101

I: Course Corequisites:

None

J: Course for which this Course is a Prerequisite:

DOPT 2311

K: Maximum Class Size:

30

L: PLEASE INDICATE:

	Non-Credit
X	College Credit Non-Transfer
	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. 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
    c. Office Organization and Staffing
    d. Inventory Management Software
    e. Billing and fee structures
    f. Office booking systems
    g. Ophthalmologic office equipment and usage
    h. Optometric office equipment and usage
    i. Boutique Dispensing Concepts
6. Soft and Gas Permeable Contact Lens Fitting
    a. Pre-fit Ocular Evaluation
    b. Material Selection
    c. Parameter Determination
    d. Lens Insertion and Removal
    e. Patient Compliance
    f. Solutions and Accessories
    g. Follow-up Procedures
    h. Complications and Contraindications
7. Specialty and Therapeutic Contact Lens Applications
    a. Healthy Eye Applications
    b. Injured / Diseased Eye Applications
    c. Refractive Surgery Applications

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

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