EFFECTIVE: SEPTEMBER 2004
CURRICULUM GUIDELINES

A.	Division:	**HEALTH SCIENCES**	Effective Date:		**September 2004**	
B.	Department / Program Area:	**DISPENSING OPTICIAN PROGRAM**	Revision	**X**	New Course	
			If Revision, Section(s) Revised:		**C, I, J**	

DISPENSING OPTICIAN THEORY **E: 7**

Subject & Course No. | Descriptive Title | Semester Credits

F: Calendar Description:

This course provides the introductory theory related to eyeglass dispensing. The following content areas are presented: basic mathematical calculations used in practice, optics, anatomy and physiology and conditions of the eye, instruments and tools used in practice, frames, lenses and analysis and interpretation of prescriptions, surgical alternatives, 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 and Student Directed Learning

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

Lecture	**90 hrs**
Student Directed Learning	**90 hrs**

Number of Weeks per Semester: **15**

H: Course Prerequisites:
NIL

I: Course Corequisites:
DOPT 1112

J: Course for which this Course is a Prerequisite

DOPT 1200 + DOPT 1210 + DOPT 1212

K: Maximum Class Size:

35

L: PLEASE INDICATE:

- [ ] Non-Credit
- [X] College Credit Non-Transfer
- [ ] College Credit Transfer:

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bccat.bc.ca)

M: Course Objectives/Learning Outcomes

Upon completion the student will be able to:

1. Perform signed arithmetic, basic algebra, geometry and trigonometry necessary to evaluate optical formulas
2. Apply knowledge of the theory and application of ophthalmic lenses
3. Calculate lens powers, prism powers and magnification
4. Define ophthalmic terms relating to lenses and prisms
5. Define ophthalmic terms relating to anatomical and physiological functions of the eye and its associated structures
6. Define terms related to normal vision and common disorders of the visual system
7. Discuss the propagation of light, dioptric measurements and surface powers
8. Discuss spherical lens design, fundamental aspects of cyli0(catr Tm[8. Disc)7(uss)-6(s)6(pherical)-6(lens desi)8T8 ɪBDC E

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR

Yes

Course Designer(s)	Education Council / Curriculum Committee Representative
Dean / Director	Registrar