

## **EFFECTIVE: SEPTEMBER 2004 CURRICULUM GUIDELINES**

A.	Division:	HEALTH SCII	ENCES	Ef	fective Date:		September 2004	
B.	Department / Program Area:	DISPENSING PROGRAM	OPTICIAN	Re	vision	X	New Course	
	110grain Area.	IKOGRAM			Revision, Section(s) vised:	I	C, I, J	
			DISPENSIN	IG OP	TICIAN THEORY		E: 7	
	Subject & Cou		Descrip	tive Ti	tle	Sen	nester 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			Н:	Course Prerequisites <b>NIL</b>	:		
	Primary Methods of Instructional Delivery and/or Learning Settings: Lecture and Student Directed Learning  Number of Contact Hours: (per week / semester for each descriptor)							
			I:	Course Corequisites: <b>DOPT 1112</b>				
	Lecture Student Direct	ed Learning	90 hrs rning 90 hrs	J:	Course for which this	s Cours	se is a Prerequisite	
				DOPT 1200 + DOPT 1210 + DOPT 1212			+ DOPT 1212	
	Number of Weeks per Semester: 15		K:	Maximum Class Size	e:			
					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 BDC I

	Pag	e	4	of	4
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R:	Prior Learning Assessment and Recognition: specify whether course is open for PLAR					
	Yes					
Course	e Designer(s)	Education Council / Curriculum Committee Representative				
Dean /	Director	Registrar				

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