

EFFECTIVE: JANUARY 2010 CURRICULUM GUIDELINES

A.	Division:	EDUCATION		Effective Date:		January 2010	
B.	Department / Program Area:	HEALTH SCIENCES/ DISPENSING OPTICIAN	Re	evision	X	New Course	
			Re Da	Revision, Section(s) evised: ate of Previous Revision ate of Current Revision:		C, D, F, G, H, I, J, M, N, O JANUARY 2008 JUNE 2009	
C:	DOPT 2211	PT 2211 D: CLINICAL IN CONTACT LENSES AND E: 3 OPTICAL TECHNOLOGIES II				E: 3	
	Subject & Cour			ptive Title		Semester Credits	
F:	Calendar Description: This course provides learning opportunities in contact lenses and optical technologies at an advanced level. Students will apply knowledge and skills from related theory and laboratory courses to the clinical dispensary. Students will continue their clinical practice in a retail contact lens practice or the on campus clinic. They will complete their clinical skills under the direct supervision of a course instructor, Optician / Contact Lens fitter, Optometrist, or Ophthalmologist. A one-week on-campus (laboratory and clinical) instruction component will take place near the end of the semester to complete the course.						
G:	/ Learning Settir Primary Method Learning Setting Lecture / Distan Clinical Experie	ls of Instructional Delivery and/or gs: nce / ence act Hours: (per week / semester tor) nce / ence 120	H: I: J: K:	Course Prerequisites: DOPT 2101 and DC Course Corequisites: DOPT 2213 Course for which this DOPT 2311 Maximum Class Size	DPT 21		
	15			25			
L:	College Cr		ETAIL	S (www.bctransferguid	le.ca)		

M:	: Course Objectives / Learning Outcomes:								
	Upon	successfu	l completion, the student v	will be able to:					
	1.	1. Obtain a general history from the patient							
 Determine what diagnostic activities must be conducted to complete an evaluation 									
	3. Use instrumentation and other provisional methods to determine appropriate gas permeable co								
			ypes and designs						
	4.		erpret patient refractive error, keratometry readings, and automated corneal topography						
	5.	Discuss contact lens options with the patient Conduct a diagnostic evaluation of a contact lens using reality and simulation software Educate the patient on lens insertion, removal, and care							
	6.								
	7. 8.								
	8. 9.			contact lens follow up examination ssary modifications to improve contact lens fitting characteristics					
	haracteristics								
 Verify visual acuity by over-refraction Perform the automated sight testing procedure 									
	12. Describe and record tonometry measurements and intraocular pressure								
:	Cours	e Conten	t:						
	1	In the du	ation						
	1.	Introdu a.	Clinical Objectives						
			Clinical and personal hyg	iene					
		0.							
	2.	Traditi	onal and Computerized D	iagnostic Technologies					
			Slit Lamp Biomicrosco		Lensometer				
			Profile Analyzer	Hand Loop	Diameter Gauge				
			Vertex Conversion Cha	1					
			Snellen Chart Phoroptor	Acuity Trial Lens Auotmated Cornea					
			Autorefractor	Tonometry	n Topography				
			Ophthalmoscopy	Retinoscopy					
	3.	3. Pre-fit Evaluation / Gas Permeable Contact Lenses							
		a.	Advanced Ocular Anato	omy and Physiology					
			Cornea Structure	Conjunctiva	Lid Structure				
			Tear Film	Lashes	Crystalline Lens				
			Iris	Pupil	Sclera				
		b.	Advanced Ocular Patho	logy					
			Conjunctivitis	GPC	Blepharitis				
			Exophthalmos	Keratoconus	Keratitis sicca				
			Neovascularization	Pterygium	Pinguecula				
			Aniridia Pullous Koratopathy	Corneal Edema	Corneal Ulcers				
			Bullous Keratopathy	Corneal Dystrophies					
		c.	Abnormalities Affecting	g Gas Permeable Lens Wear					
			Alcohol	Drugs	Diabetes				
			Arthritis	Herpes	Thyroid				
			Ocular Medication	Systemic Disease	Allergies				
		s for Hard and Gas Permeable							
			Athletics	Work Environment	Climate				
			Cosmetic	Social	Age				
		e.	Interpreting Refractive	Errors for Hard and Gas Perme	able Lenses				
			Myopia	Hyperopia	Presbyopia				
			Aphakia	Amblyopia	Strabismus				
			Astigmatism	Aniseikonia	Exotropia				
			Esotropia	Pseudophakia	Anisometropia				

		f.	<u>Advanced Corneal Defec</u> Keratoplasty Coloboma Laser Surgery	<u>cts / Deformities / Injuries</u> Albinism Retinopathy	Nystagmus Radial Keratometry			
	4.	. Lens Parameter Determination						
	5.	Lens Care a. Chemical Disinfection Systems b. Ultrasonic Disinfection Systems c. Surfactant Cleaners d. Enzyme Cleaners e. Rewetting Agents 						
	6.	6. Fitting Procedure / Gas Permeable Lenses						
	7.	7. Patient Compliance, Instruction and Dispensing Procedure						
	8.	8. Boutique Dispensing Concepts						
	9. <u>Follow</u>	 Patient Follow-up Care and Evaluation Instrumentation and Differential Diagnosis Keratometry and Biomicroscopy						
0:	Methoo	Iethods of Instruction:						
	1. 2. 3. 4. 5.	 Independent study of courseware Independent completion of online self-assessment quizzes Completion of field assignments 						
P:	Textbo	oks and	Materials to be Purchase	ed by Students:				
	A list of semester	-	ed and optional textbooks a	and materials is provided for	r students at the beginning of each			

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.

Q:

Means of Assessment:

Course Designer(s)

Education Council / Curriculum Committee Representative

Dean / Director: Dr. Mike Tarko

Acting Registrar: Brenda Walton

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