


Master of Science in Clinical Optometry

CURRICULUM

SINGAPORE COURSE NO. 4

(includes a B.Sc. in Optometry Bridge Course)

DATE	LOCATION	HOURS	LECTURE	CLINICAL TRAINING	RESEARCH	CASE PRESENTATIONS
17-20 Sept.2010 B.Sc.	Singapore	20 16	Anterior Segment Case Presentations Posterior Segment Case Presentations		Required Reading Begins – 20 Hours	
9-10 Oct.2010	Singapore	8 8	Pediatric Optometry Case Presentations Geriatric Optometry Case Presentations		Textbook: Foundations of Clinical Research Applications to Practice, 2 nd ed. Portney and Watkins, Prentice Hall, Inc. Upper Saddle River, NJ 07458, USA 2000.	
10-12 Dec.2010	Singapore	8 8 10	Glaucoma Case Presentations Contact Lenses Case Presentations Optometric Ethics, Practice Management, Public Health and Biostatistics			
12.Feb.2011	Singapore	FINAL EXAMINATION – B.Sc. ONLY				
12-13 Feb.2011	Singapore	2 2 2 8	Genetics Molecular Biology Metabolism Ocular Anatomy & Physiology Review		Research Paper Begins 	
26-28 Mar.2011	Singapore	12 12	Medical Physiology General Pathology & Pathophysiology			
10-15 Apr.2011	Singapore	35		1 week of clinical training – examination methods and procedures		
		4 4 4	Microbiology Epidemiology Immunology			
14-16 May.2011	Singapore	5 5 10	Pharmacology Introduction Systemic Pharmacology Ocular Pharmacology			
15-18 Aug.2011	Singapore	35		1 week of clinical training – examination methods and procedures		
18-23 Sept.2011	Elkins Park U.S.A.	4 4 4	Basic Systemic Diseases Oculosystemic Diseases Selected Topics in Disease			
		3	Anterior Segment Disease; Lids, Lacrimal System, Conjunctiva			
		3 3 3 3	Corneal Injuries, Irritants & Dystrophies Sterile & Infectious Corneal Inflammations Sclera & Esclera			
		4 2 2 2 2	Contact Lens Related Disorders Corneal Topography Refractive Surgery Management of Pre & Post Refractive Surgery Patients			
		2	Contact Lenses & Medications			

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	Elkins Park U.S.A.	6 2 3 2	Lens, Cataract, Aphakia & Pseudophakia Basis of Glaucoma Diagnosis of Glaucoma Optometry-Ophthalmology Glaucoma Co-management		↓	Case Presentation Bejin ↓
26.Sept. – 7.Oct.2011	Elkins Park U.S.A.			2 weeks of clinical training on campus at PCO	Research Paper Presentation	
14.Jan.2012	Singapore	FINAL EXAMINATION – 1ST YEAR M.Sc. ONLY				
2-4 Mar.2012	Singapore	20	Retina and Uveitis			↓
13-15 Apr.2012	Singapore	23	Neuroscience and Neuro-ophthalmic Disorders			
7-11 May.2012	Elkins Park U.S.A.	8 6 4 4 4 4	Pediatric Optometry Vision Training & Perception Low Vision & Geriatric Optometry Environmental Optometry Issues of Eye Care Practice Management			
		10	Case Presentations and Panel Discussions			
14-25 May.2012	Elkins Park U.S.A.			2 weeks of clinical training on campus at PCO		4 case presentations
7.July.2012	Singapore	FINAL EXAMINATION – 2ND YEAR M.Sc. ONLY				
To Be Determined	Phila., PA / Singapore	GRADUATION – MASTER OF SCIENCE IN CLINICAL OPTOMETRY DIPLOMA AWARDING CEREMONIES				

[B.Sc. Course Nr. 416](#)

During the second clinical rotation at PCO, B.Sc. students will present a 10-15 minutes oral presentation on the topic: "How Did My Knowledge of Basic Sciences Help Me to Better Handle My Patients". Example of cases must be included. A written version of the presentation will be submitted for grading.

NOTE: SCHEDULE IS SUBJECT TO CHANGE BASED UPON FACULTY AVAILABILITY, LOGISTICS, AND OTHER MATTERS.