

**CENTRO ESCOLAR UNIVERSITY
Manila**

GRADUATE SCHOOL

**POST GRADUATE COURSE IN OCULAR PHARMACOLOGY
Effective School Year 2016-2017**

Degree Requirements

Biochemistry.....	3 units
General Pharmacology.....	2 units
Ocular Pharmacology.....	4 units
Preceptorial Course (Clinical Internship).....	<u>2 units</u>
Total	11 units

<u>Course Code</u>	<u>Course Descriptive Title</u>	<u>Units</u>
OptoSci 231A	Biochemistry	3
OptoSci 213	General Pharmacology	2
OptoSci 203A	Ocular Pharmacology	4
OptoSci 271A	Preceptorial Course (Clinical Internship)	<u>2</u>
	TOTAL	11

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Course Description
POST GRADUATE COURSE IN OCULAR PHARMACOLOGY

Core			
Course Code	Course Title	Course Description	Units
OPTOSCI 231A	Biochemistry	<p>Principles of biochemistry for the understanding of pharmacology.</p> <p>Includes normal biochemical structure, functions, and the metabolic processes of selected eye tissues such as the cornea, retina, lens, tear film, aqueous and vitreous, crucial to the understanding of ocular pharmacology</p>	3
OPTOSCI 213A	General Pharmacology	<p>General principles of pharmacology including the actions, mechanisms of actions, absorption, rate, excretions, toxicity, and diagnostic and therapeutic uses and effects. Provides a breadth of knowledge for health care focusing on drug structure and activity relationship to enhance appreciation of the chemical, pharmaceutical and medical considerations required for effective pharmacology</p>	2
OPTOSCI 203A	Ocular Pharmacology	<p>Study of ophthalmic drug particularly its topical ocular pharmacokinetics and biopharmaceutics. It also deals with the study of the basic principles of pharmacology with emphasis on the autonomic drugs, the therapeutic and specialty diagnostic pharmaceutical agents.</p>	4

OPTOSCI 271A	Preceptorial Course (Clinical Internship)	Training in the actual use of DPAs in clinical setting: rotation in eye centers/clinics/institutes that practice techniques and procedures using DPAs such as tonometry, cyclo-refraction, contact lens fitting and assessment, ocular surface exam and tear test, dilation examination under slitlamp biomicroscopy and binocular indirect ophthalmoscopy.	2
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