

Optometry (OPTOM)

Courses

OPTOM 10 The Eye and Vision in a Changing Environment 2 Units

Terms offered: Spring 2020, Spring 2019, Spring 2018

Course covers introduction to the basis of common sight-reducing visual disorders with major public health implications for society--e.g., myopia, cataracts, diabetic hypertensive eye disorders, developmental disorders (e.g., lazy eye), and environmentally induced disease and disorders (solar eye burns, cataracts). Major approaches to the prevention, diagnosis, and treatment of common disorders will be addressed in terms of the biological and optical sciences underlying the treatment or prevention. Impact of eye care on society and health and care delivery will be reviewed.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Adams

OPTOM C10 The Eye and Vision in a Changing Environment 2 Units

Terms offered: Spring 2010, Spring 2009, Spring 2008

Course covers introduction to the basis of common sight reducing visual disorders with major public health implications for society--e.g., myopia, cataracts, diabetic hypertensive eye disorders, developmental disorders (e.g., lazy eye), and environmentally induced disease and disorders (solar eye burns, cataracts). Major approaches to the prevention, diagnosis, and treatment of common disorders will be addressed in terms of the biological and optical sciences underlying the treatment or prevention. Impact of eye care on society and health and care delivery will be reviewed.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Adams

Also listed as: UGIS C10

OPTOM 39B Freshman/Sophomore Seminar 2 - 4 Units

Terms offered: Fall 2010, Fall 2009, Fall 2008

Freshman and sophomore seminars offer lower division students the opportunity to explore an intellectual topic with a faculty member and a group of peers in a small-seminar setting. These seminars are offered in all campus departments; topics vary from department to department and from semester to semester. No prerequisites. Enrollment limits are set by the faculty, but the suggested limit is 25.

Rules & Requirements

Prerequisites: Priority given to freshmen and sophomores

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2-4 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Undergraduate

Grading/Final exam status: The grading option will be decided by the instructor when the class is offered. Final exam required.

OPTOM 84 Sophomore Seminar 1 or 2 Units

Terms offered: Spring 2011, Spring 2010, Spring 2009

Sophomore seminars are small interactive courses offered by faculty members in departments all across the campus. Sophomore seminars offer opportunity for close, regular intellectual contact between faculty members and students in the crucial second year. The topics vary from department to department and semester to semester. Enrollment limited to 15 sophomores.

Rules & Requirements

Prerequisites: At discretion of instructor

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring:

5 weeks - 3-6 hours of seminar per week

10 weeks - 1.5-3 hours of seminar per week

15 weeks - 1-2 hours of seminar per week

Summer:

6 weeks - 2.5-5 hours of seminar per week

8 weeks - 1.5-3.5 hours of seminar and 2-4 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Undergraduate

Grading/Final exam status: The grading option will be decided by the instructor when the class is offered. Final exam required.

OPTOM 98 Directed Group Study 1 Unit

Terms offered: Fall 2025, Fall 2024, Fall 2023

Directed group study for undergraduates interested in the field of optometry.

Rules & Requirements

Credit Restrictions: Enrollment is restricted; This course requires consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of directed group study per week

Additional Details

Subject/Course Level: Optometry/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam required.

Instructor: Van Sluyters

OPTOM 198 Directed Group Studies 1 - 4 Units

Terms offered: Spring 2011, Spring 2010, Spring 2009

Directed group study for undergraduates interested in the field of Optometry.

Rules & Requirements

Credit Restrictions: Enrollment is restricted; requires consent of instructor

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 1-4 hours of directed group study per week

Additional Details

Subject/Course Level: Optometry/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

OPTOM 200A Clinical Examination of the Visual System 2 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Fundamentals of the optometric examination. The 200A course begins a five-semester journey (200A/B/C/D/E) designed to teach the theory and techniques of procedures in a routine optometric examination of the visual system. These include case history, entrance testing, refraction, phoropter testing, biomicroscopy techniques, direct ophthalmoscopy, binocular indirect ophthalmoscopy, and the signs and symptoms related to different refractive errors. Selected lectures on confidentiality of health care records, HIPPA compliance, ethical considerations, laws related to practice and vision care, as well as managed care and other insurance issues.

Rules & Requirements

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: 100A

OPTOM 200AL Clinical Examination of the Visual System 3 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

Fundamentals of the optometric examination. Case history, visual acuities, objective and subjective methods of determining refractive status. Basic examination of anterior ocular structures and the ocular funds; perimetry.

Rules & Requirements

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 6 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 200B Clinical Examination of the Visual System 2 Units

Terms offered: Spring 2016, Spring 2015, Spring 2014

Fundamentals of the optometric examination covering the theory and techniques of the various procedures that are part of a routine optometric examination of the visual system. In this course, students will learn diagnostic elements of the optometric examination, including increased proficiency in case history, entrance testing, refraction, phoropter testing, ocular health testing, case presentation, patient consultation, presbyopia testing, advanced biomicroscopy techniques, and the signs and symptoms related to different refractive errors. Selected lectures on confidentiality of health care records, HIPPA compliance, ethical considerations, laws related to practice and vision care, as well as managed care and other insurance issues.

Rules & Requirements

Prerequisites: 200A

Credit Restrictions: Students will receive no credit for OPTOM 200B after completing OPTOM 100B.

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: 100B

OPTOM 200BL Clinical Examination of the Visual System 3 Units

Terms offered: Spring 2021, Spring 2020, Spring 2017

Theory and techniques of the various procedures that are part of a routine optometric examination of the visual system. In this course, students will be taught more diagnostic elements of the optometric examination, including increased proficiency in case history, entrance testing, refraction, phoropter testing, ocular health testing, case presentation, patient consultation, presbyopia testing, advanced biomicroscopy techniques, and the signs and symptoms related to different refractive errors.

Rules & Requirements

Prerequisites: Opt 200A, Opt 200AL

Repeat rules: Course may be repeated for credit with advisor consent.

Hours & Format

Fall and/or spring: 15 weeks - 6 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 200C Clinical Examination of the Visual System 2 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Fundamentals of the optometric examination. Case analysis of refractive, accommodative, and binocular anomalies. Pediatric examination techniques. Advanced methods of examining the peripheral ocular fundus, anterior chamber angle evaluation. Selected lectures on confidentiality of health care records, HIPPA compliance, ethical considerations, laws related to practice and vision care, as well as managed care and other insurance issues.

Rules & Requirements

Prerequisites: 200B

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: 100C

OPTOM 200CL Clinical Examination of the Visual System 2 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

Case analysis of refractive, accommodative, and binocular anomalies. Ocular health examination. Low vision examination techniques. Dry eye evaluation. Advanced methods of examining the peripheral ocular fundus and evaluating the anterior chamber angle.

Rules & Requirements

Prerequisites: Optom 200BL

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 4 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructors: Seino, Yu

OPTOM 200D Clinical Examination of the Visual System 2 Units

Terms offered: Spring 2017, Spring 2016, Spring 2015

Fundamentals of the optometric examination. Lectures will focus on refractions, effective adds, pupil testing, optic nerve evaluation, and other appropriate topics in preparation for students to conduct direct patient care in third year clinics. Selected lectures on confidentiality of health care records, HIPPA compliance, ethical considerations, laws related to practice and vision care, as well as managed care and other insurance issues.

Rules & Requirements

Prerequisites: 200C, 200CL

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Ozawa

OPTOM 200DL Clinical Examination of the Visual System 2 Units

Terms offered: Spring 2021, Spring 2020, Spring 2017

Modification of the exam sequence for specific patient needs. Evaluation and management of tear film disorders; analysis of vision with cataract. Patient management and professional communications; legal and ethical issues; managed care and optometry.

Rules & Requirements

Prerequisites: Optom 200C, Optom 200CL

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 4 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructors: Ozawa, Yu

OPTOM 200E Advanced Procedures in Ocular Disease Diagnosis and Management 2 Units

Terms offered: Fall 2025, Fall 2024, Fall 2023

Instrumentation, techniques, and principles for examination, diagnosis, and treatment of ocular disease, including advanced laser trabeculoplasty, YAG capsulotomy, injections, suturing, dilation & irrigation, and peri-operative cataract care.

Objectives & Outcomes

Course Objectives: To build on clinical skills and knowledge gained from previous courses that will enable interns to provide full scope contemporary optometric care. Lectures are used to present a context for the procedures and allow students to see how the skills can be applied in the clinic.

Rules & Requirements

Prerequisites: OPTOM 200A, 200AL, 200B, 200BL, 200C, 200CL, 200D, 200DL

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructors: Whiteside, Kanai, Shabazian

OPTOM 200F Advanced Procedures in Ocular Disease Diagnosis and Management 2 Units

Terms offered: Spring 2025

Instrumentation, techniques, and principles for examination, diagnosis, and treatment of ocular disease, including ophthalmic laser instrumentation, surgical laser procedures, minor surgical techniques, pre- and post-operative considerations, thresholds for making appropriate surgical referrals, informed consent, and safety considerations.

Rules & Requirements

Prerequisites: OPTOM 200E, OPTOM 200D, OPTOM 200C, OPTOM 200B, OPTOM 200A OPTOM 200DL, OPTOM 200CL, OPTOM 200BL, OPTOM 200AL,

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructors: Whiteside, Shabazian, Kunai

OPTOM 203A Geometric Optics 4 Units

Terms offered: Fall 2025, Fall 2024

Geometrical methods applied to the optics of lenses, mirrors, and prisms. Thin lens eye models, magnification, astigmatism, prism properties of lenses, thick lenses.

Rules & Requirements

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture, 1 hour of discussion, and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: Vision Science 203A

OPTOM 203B Optical System and Physical Optics 4 Units

Terms offered: Spring 2025

Principles of optical systems, principles and clinical applications of apertures and stops, aberrations and optical instruments. Optics of the eye. Selected topics in physical optics, diffraction, interference, polarization.

Objectives & Outcomes

Course Objectives: to be able to apply basic principles to design systems or solve problems
to understand basic principles underlying optical systems and physical optics

Rules & Requirements

Prerequisites: 203A

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture, 1 hour of discussion, and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: Vision Science 203B

OPTOM 205 Visual Perception Sensitivity 4 Units

Terms offered: Fall 2025, Fall 2024

This course will provide a fundamental understanding of visual processing, so students will be able to (1) understand the limitations of the clinical procedures in an eye exam;(2) address patients' complaints and symptoms. Content covered includes psychophysical basis for clinical tests in acuity, perimetry, and color vision. The visual stimulus and photometry. Visual receptors, psychophysical methods and visual threshold, light sensitivity, contrast sensitivity, light and dark adaptation, temporal and spatial properties of visual function, color vision, visual illusion, how visual perception changes with age and disease, and the basis for advanced diagnostic procedures.

Rules & Requirements

Credit Restrictions: Students will receive no credit for OPTOM 205 after completing VIS SCI 104.

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 3.5 hours of lecture, 1 hour of discussion, and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: Vision Science 205

OPTOM 206A Anatomy and Physiology of the Eye 2 Units

Terms offered: Fall 2025, Fall 2024

The course begins with an overview of the gross anatomy and physiology of the eye, followed by a brief introduction of basic cellular biology and genetics. Subsequent lectures mainly focus on anterior parts of the eyeball to explore the anatomy, physiological function and related eye diseases in detail.

Objectives & Outcomes

Course Objectives: To teach the fundamental knowledge about Anatomy and Physiology of the Eye with advanced molecular, cellular and genetic information that are related to ocular diseases in clinic diagnosis/treatment.

Rules & Requirements

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 7.5 weeks - 4 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: Vision Science 206A

OPTOM 206B Anatomy and Physiology of the Eye and Visual System 3 Units

Terms offered: Spring 2025

This course emphasizes learning the terminology, definitions and structural relationships of the bones, muscles, adnexa, vasculature and nervous tissue of the eye and orbit. Relevant clinical case examples will be used to highlight the application of basic anatomy and physiology for diagnosing and managing diseases and disorders of the eye and visual system. Topics covered include structure and function of the tissues of the eye, ocular appendages, vasculature, cranial nerves, and the central visual pathways. Basic concepts of physiological, neurological, embryological, and immunological processes as they relate to the eye and vision will be covered.

Rules & Requirements

Prerequisites: OPTOM 206A

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture, 0.5 hours of discussion, and 1 hour of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: Vision Science 206B

OPTOM 206C Anatomy and Physiology of the Eye and Visual System 2 Units

Terms offered: Not yet offered

Small group, seminar style course utilizing problem based learning to review and discuss clinical cases. This course is designed to give an overview of the anatomy and physiology of the eye, while also covering many other aspects of basic and clinical science in optometry, including the diagnosis and therapeutic treatment of disease. Scenarios related to professional responsibilities, ethical and legal issues, public health impact, health disparities, as well as the principles of diversity, equity and inclusion are addressed and incorporated in the cases.

Rules & Requirements

Prerequisites: 206A-206B

Credit Restrictions: Students will receive no credit for OPTOM 206C after completing VIS SCI 106C.

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Dumbleton

Formerly known as: Vision Science 206C

OPTOM 206D Neuroanatomy and Neurophysiology of the Eye and Visual System 2 Units

Terms offered: Fall 2025, Fall 2024

This course focuses on structure and function of the neurosensory retina, photoreceptors, RPE including blood supply. Current concepts of etiology and management of major retinal conditions. Overview of diagnostic techniques in retinal imaging, electrophysiologic testing and new genetic approaches. Structure and function of the early visual pathway, including retinal ganglion cells, optic nerves, lateral geniculate nucleus and visual cortex. Pupillary responses. Specialization in the visual cortex.

Rules & Requirements

Prerequisites: 206A (must be taken concurrently)

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 7.5 weeks - 4 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: Vision Science 206D

OPTOM 213 Evidence Based Optometry 1 Unit

Terms offered: Fall 2015, Fall 2014, Spring 2014

Basic concepts in evidence-based optometry including various clinical study designs, potential sources of bias in each design as well as development of a systematic approach to evaluate strength of evidence from published studies, to identify potential limitations and develop appreciation for the importance of evidence-based practice as a practice philosophy.

Objectives & Outcomes

Course Objectives: To demonstrate major strategies and tools for identifying reliable resources of evidence.

To familiarize students with the fundamental concept of EBO and the importance of implementing such practice;

To show the systematic approach of evaluating the strength and the quality of evidences;

Rules & Requirements

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Liu

OPTOM 215 Visual System Development 2 Units

Terms offered: Not yet offered

Development of the eye and the visual system. Normal development of the eye, retina, and central visual pathways. Effects of visual deprivation. Assessment of optical and visual function in human infants. Refraction and refractive error in infants and children. Development of visuomotor function, spatial vision, color vision, binocular vision, and depth perception. The issue of child abuse and the reporting requirements for optometrists suspecting abuse are discussed.

Rules & Requirements

Prerequisites: 206B

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: Vision Science 215

OPTOM 217 Oculomotor Functions and Neurology 2 Units

Terms offered: Spring 2025

Neuro-anatomical pathways for the control of eye position and movement, gaze holding, image stabilization, and tracking eye movement systems, oculomotor signs of disorders of the central nervous system (palsies, nystagmus, ophthalmoplegia, cog-wheel pursuits, saccadic dysmetria), the near visual-motor response and the synergistic coupling of accommodation and convergence, binocular misalignment (heterophoria and fixation disparity), and presbyopia.

Rules & Requirements

Prerequisites: OPTOM 203A

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 7.5 weeks - 3 hours of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Otero-Milan

Formerly known as: Vision Science 217

OPTOM 219 Binocular Vision and Space Perception 2 Units

Terms offered: Spring 2025

The goals of this course are to provide mastery of the fundamentals of binocular vision and to introduce the role of binocular vision in optometric primary care. Topics covered include: perception of space, direction and distance, binocular retinal correspondence, horopters, differential magnification effects and anomalies of binocular vision development, sensory vision, local stereopsis, static and dynamic stereopsis, binocular depth cues.

Rules & Requirements

Prerequisites: OPTOM 203A

Repeat rules: Course may be repeated for credit with instructor consent.

Hours & Format

Fall and/or spring: 7.5 weeks - 3 hours of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Cooper

Formerly known as: Vision Science 219

OPTOM 222A Optics of Ophthalmic Lenses 4 Units

Terms offered: Spring 2021, Spring 2020, Spring 2016

Optical and physical characteristics of ophthalmic lenses, to include spherical and aspherical surface of single and multifocal lens designs, and ophthalmic prisms. Lens power measurement methods, lens thickness power relationships and considerations in designing prescription eyewear. Characteristics of absorptive lenses, ophthalmic coatings, lens materials, and their role in ocular protection.

Objectives & Outcomes

Course Objectives: Develop an understanding of ophthalmic dispensing principles and its proper clinical application.

Facilitate successful completion of Ophthalmic Optics related questions on the clinical and written NBO exam

To facilitate the appreciation for the field of ophthalmic optics pertaining to lens materials properties and the optics and properties of ophthalmic lenses.

To have in concept, an understanding of the overall process by which ophthalmic prescriptions are designed & fabricated.

To understand the proper utilization of ophthalmic materials, ophthalmic lenses and its design; its relationship to meeting the patient's visual needs in an Optometric practice.

Rules & Requirements

Prerequisites: Vision Science 203A

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 222B Advanced Clinical Optics 2 Units

Terms offered: Fall 2015, Spring 2015, Fall 2014

Ophthalmic lens aberrations and minimization. Ophthalmic lens designs relating to anisometropia, aniseikonia, and high refractive errors. Optics of the eye, contact lens optics, and optical principles of low vision aids. Environmental vision and related ophthalmic standards.

Objectives & Outcomes

Course Objectives: Develop an understanding of ophthalmic dispensing principles and its proper clinical application.

Facilitate successful completion of Ophthalmic Optics related questions on the clinical and written NBO exam.

To facilitate the appreciation for the field of ophthalmic optics pertaining to lens materials properties and the optics and properties of ophthalmic lenses.

To have in concept an understanding of the overall process by which ophthalmic prescriptions are designed & fabricated.

To understand the proper utilization of ophthalmic materials, ophthalmic lenses and their design; its relationship to meeting the patient's visual needs in an Optometric practice.

Rules & Requirements

Prerequisites: 222A

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Formerly known as: 122B

OPTOM 226A Ocular & Systemic Pharmacology I 2.5 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

Basic pharmacology, terminology, and concepts (both pharmacodynamic and general and ocular pharmacokinetic principles (as applied to the eye and ophthalmic drugs)), FDA drug testing & approval process & clinical prescribing issues; systemic and ocular autonomic pharmacology; pharmacotherapy of anti-inflammatory and anti-allergy (ocular & systemic) drugs; pharmacology of pain control; anti-infective drugs (antibacterial); drugs for glaucoma.

Objectives & Outcomes

Course Objectives: to examine the pharmacological properties (including mechanisms of action), of select groups of ophthalmic drugs used in the diagnosis and/or treatment of eye disease, including infections and glaucoma.

to familiarize you with basic pharmacology terminology and concepts (both pharmacodynamic and pharmacokinetic),

to examine the pharmacological properties (including mechanisms of action), of drugs for allergies, inflammation and pain.

to show how the autonomic nervous system can be manipulated pharmacologically (basic principles) & applications for ocular effects (diagnostic & therapeutic),

Rules & Requirements

Prerequisites: Vision Science 206D

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 226B Ocular Pharmacology 2.5 Units

Terms offered: Spring 2017, Spring 2016, Spring 2015

Basic pharmacology, terminology, and concepts (both pharmacodynamic and pharmacokinetic) as applied to the eye and ophthalmic drugs, clinical prescribing issues including formulation, dosing and prescribing, and pharmacotherapy of anti-inflammatory, centrally acting, hormonal and other "specialist" systemic drugs.

Rules & Requirements

Prerequisites: 226A

Credit Restrictions: Students will receive no credit for OPTOM 226B after completing OPTOM 126.

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Gronert

OPTOM 230A Graduate General Clinical Practice 2 - 6 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

General optometric practice for four hours per week per credit hour, including optometric examination, dispensing, consultation, and subsequent vision care of patients, performed independently by graduate student clinicians.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of clinic per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

OPTOM 230B Graduate General Clinical Practice 2 - 6 Units

Terms offered: Spring 2023, Spring 2017, Spring 2016

General optometric practice for four hours per week per credit hour, including optometric examination, dispensing, consultation, and subsequent vision care of patients, performed independently by graduate student clinicians.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of clinic per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

OPTOM 231A Graduate Specialty Clinics 2 - 8 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Clinical examination of patients in designated specialty clinics. More than one clinical specialty may be taken simultaneously.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of clinic per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

OPTOM 231B Graduate Specialty Clinics 2 - 8 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

Clinical examination of patients in designated specialty clinics. More than one clinical specialty may be taken simultaneously.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of clinic per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

Instructor: Orel-Bixler

OPTOM 236A Systemic Disease and its Ocular Manifestations 3 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

The pathophysiology, epidemiology, clinical diagnosis and management of systemic and ocular diseases will be discussed using lecture and problem-based learning approaches. Disease processes, clinical applications and pharmacotherapy will be emphasized throughout discussions on cellular injury, inflammation, infection, degeneration, neoplasia and toxicology. Also presented will be neurologic, cardiovascular, endocrine, pulmonary, rheumatologic, nutritional, genetic and congenital diseases and their relative ocular manifestations and considerations. Special deliberation will be given to public health concerns and disparities in health care, including race- and sex-based biases, decreased access to care, and increased incidence rates which may

Rules & Requirements

Prerequisites: 200D. 236A is a prerequisite for 236B

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 236B Systemic Disease and its Ocular Manifestations 3 Units

Terms offered: Spring 2017, Spring 2016, Spring 2015

The pathophysiology, epidemiology, clinical diagnosis and management of systemic and ocular diseases will be discussed using lecture and problem-based learning approaches. Disease processes, clinical applications and pharmacotherapy will be emphasized throughout discussions on cellular injury, inflammation, infection, degeneration, neoplasia and toxicology. Also presented will be neurologic, cardiovascular, endocrine, pulmonary, rheumatologic, nutritional, genetic and congenital diseases and their relative ocular manifestations and considerations. Special deliberation will be given to public health concerns and disparities in health care, including race- and sex-based biases, decreased access to care, and increased incidence rates which may

Rules & Requirements

Prerequisites: 236A

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 4 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 240 Diagnosis and Treatment of Sensory/Motor Anomalies 3 Units

Terms offered: Spring 2021, Spring 2020, Spring 2017

Diagnosis and treatment of heterophoria, accommodative, vergence and oculomotor anomalies including sensory anomalies and amblyopia. Rationale and methods for treatment with lenses, prism, occlusion, and vision training. Design and implementation of treatment programs.

Rules & Requirements

Prerequisites: Vision Science 217 and 219

Credit Restrictions: Students will receive no credit for OPTOM 240 after completing OPTOM 140, or OPTOM 133.

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2.5 hours of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Lee-Chen

Formerly known as: 140

OPTOM 241 Advanced Management and Rehabilitation of Sensory/Motor Anomalies 3 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

Advanced diagnosis, prognosis and treatment of strabismus, neurologic oculomotor disorders, amblyopia, and other associated sensory anomalies. Assessment and management of developmental and acquired visual perceptual disorders in relationship to learning disabilities. Design and implementation of treatment programs.

Rules & Requirements

Prerequisites: 240

Hours & Format

Fall and/or spring: 15 weeks - 2.5 hours of lecture and 16 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

Formerly known as: 141

OPTOM 246 Diagnosis and Treatment of Anterior Segment Ocular Disease 4 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

This course series consists of the pathophysiology, pharmacotherapy, and clinical management of systemic and ocular diseases through a combination of lecture and problem-based learning approaches. Disease processes will be emphasized and include cellular injury and repair, inflammation, infection, degeneration, and neoplasia. Neurologic, cardiovascular, endocrine, pulmonary, and congenital disease, and their relative ocular manifestations will be presented. The basic principles of pharmacology will be followed by overviews of drugs used to treat diseases of each system. The role of the optometrist in the health care system will be emphasized.

Rules & Requirements

Prerequisites: 236

Hours & Format

Fall and/or spring: 15 weeks - 4 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

Formerly known as: 146

OPTOM 251 Low Vision and Geriatric Optometry 2.5 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Low Vision and Geriatric Optometry covers visual impairments, rehabilitation, and elderly care. Low Vision explores the causes of visual impairment, comparing definitions like legal blindness and WHO staging. It includes detailed discussions on low vision exams, devices (telescopes, magnifiers), and prescribing methods. Geriatric Optometry discusses issues and cases in visual/ocular function, sociology (ageism, elder abuse, housing, economics), physical and physiology-related concerns (falls, driving, polypharmacy, alcohol), public health (ethics, disparities, culturally competency, diversity, equity and inclusion (DEI), mental health (suicide, dementia), and environment (non-optical aids and services).

Rules & Requirements

Prerequisites: 200D

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2.5 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

Formerly known as: 151

OPTOM 256 Diagnosis and Treatment of Posterior Segment Ocular Disease 4 Units

Terms offered: Spring 2017, Spring 2016, Spring 2015

This course series consists of the pathophysiology, pharmacotherapy, and clinical management of systemic and ocular diseases through a combination of lecture and problem-based learning approaches. Disease processes will be emphasized and include cellular injury and repair, inflammation, infection, degeneration, and neoplasia. Neurologic, cardiovascular, endocrine, pulmonary, and congenital disease and their relative ocular manifestations will be presented. The basic principles of pharmacology will be followed by overviews of drugs used to treat diseases of each system. The role of the optometrist in the health care system will be emphasized.

Rules & Requirements

Prerequisites: 246

Hours & Format

Fall and/or spring: 15 weeks - 4 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

Formerly known as: 156

OPTOM 260A Contact Lenses: Examination Principles and Practice 3 Units

Terms offered: Spring 2021, Spring 2020, Spring 2019

Covers the physiological basis for fitting contact lenses. Effects of a contact lens on the tears, lids, and cornea. Examination procedures and instrumentation used in monitoring the ocular response to contact lenses. Contact lens inspection, care, and handling.

Rules & Requirements

Credit Restrictions: Students will receive no credit for OPTOM 260A after completing OPTOM 160A, or OPTOM 161A.

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Satjawatcharaphong

Formerly known as: 160A

OPTOM 270C Eyecare Business and Professional Management II 2 Units

Terms offered: Spring 2017, Spring 2016, Spring 2015

Entrepreneurship, financing alternatives, business loans, human resources, marketing, personal finance, business law as it affects optometry.

Rules & Requirements

Prerequisites: 270A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

OPTOM 271A Exploring principles of practice management and modes of optometric practice 0.5 Units

Terms offered: Fall 2025, Fall 2024, Fall 2023

Discussion of the numerous opportunities and modes of practice in optometry.

Discussion of business and management principles related to optometry, as well as basic financial literacy. Topics will include personal financial management, budgeting, and investing in order to develop financial stability upon graduation and maintain it in the future. Additional discussion will include the importance of managing personnel and patients, practicing cultural humility, understanding issues related to diversity and equity, as well as the importance of providing sustainable health solutions and promoting a more equitable healthcare environment.

Objectives & Outcomes

Course Objectives: To establish the foundations of financial literacy and financial stability.

To understand the importance and significance of diversity, equity, and inclusion, as well as social determinants in healthcare.

To understand the importance of human resource management in healthcare and how it is critical to success and patient care.

To understand the various modes of practice in optometry and explore the numerous pathways of an optometric career in the healthcare system.

Rules & Requirements

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0.25 hours of lecture and 0.25 hours of discussion per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Wang

OPTOM 271B Exploring principles of practice management and modes of optometric practice 0.5 Units

Terms offered: Spring 2025, Spring 2024

This course is the second in a two-part series designed to evaluate the numerous opportunities and modes of practice in optometry. Principles of business and management will be introduced, as well as basic financial literacy. Topics covered will include management of personal finances, budgeting, and investing. Students will be introduced to the various opportunities available to optometrists and different modes of practice, as well as the importance of navigating business relationships and patient-provider interactions with an appreciation for cultural differences. Emphasis will be placed on raising the awareness of diversity and equity issues that are key to providing sustainable health solutions and an equitable healthcare environment.

Objectives & Outcomes

Course Objectives: To establish the foundations of financial literacy and financial stability.

To understand the importance and significance of diversity, and inclusion, and social determinants in healthcare.

To understand the importance of human resource management in healthcare and how it is critical to success and patient care.

To understand the various modes of practice in optometry and explore the numerous pathways of an optometric career in the healthcare system.

Rules & Requirements

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0.25 hours of lecture and 0.25 hours of discussion per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Wang

OPTOM 272A Health Economics, Law and Policy for Optometrists 2 Units

Terms offered: Fall 2019

The course will examine the history of US health care, healthcare systems in other countries, key economic issues that drive health care costs, value-based models of care delivery, current laws and policies that impact optometrist and social determinants of health.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 281A Graduate Clinical Rounds 1 - 3 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Presentation and discussion of the diagnosis, etiology, prognosis, and treatment of selected clinical cases.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 281B Graduate Clinical Rounds 1 - 3 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

Presentation and discussion of the diagnosis, etiology, prognosis, and treatment of selected clinical cases.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 291A Optometry Research Project 1 Unit

Terms offered: Fall 2015, Fall 2014, Fall 2013

Thesis research for optometry students. Presentation of research results.

Rules & Requirements

Prerequisites: 290A-290B

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of discussion per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only. This is part one of a year long series course. A provisional grade of IP (in progress) will be applied and later replaced with the final grade after completing part two of the series.

Instructor: Cohn

Formerly known as: 191A-191B

OPTOM 291B Optometry Research Project 1 Unit

Terms offered: Spring 2025, Spring 2024, Spring 2023

Thesis research for optometry students. Presentation of research results.

Rules & Requirements

Prerequisites: 290A-290B

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of discussion per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only. This is part two of a year long series course. Upon completion, the final grade will be applied to both parts of the series.

Formerly known as: 190A-190B

OPTOM 292A Graduate Optometry Seminar 1 - 3 Units

Terms offered: Fall 2025, Fall 2024, Fall 2023

Graduate seminars on selected topics in clinical optometry.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 292B Graduate Optometry Seminar 1 - 3 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

Graduate seminars on selected topics in clinical optometry.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 298A Independent or Group Studies 1 - 6 Units

Terms offered: Fall 2025, Fall 2024, Fall 2023

Directed studies on a selected topic(s) within optometry.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

OPTOM 298B Independent or Group Studies 1 - 6 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

Directed studies on a selected topic(s) within optometry.

Rules & Requirements

Prerequisites: O.D. degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

OPTOM 299A Graduate Optometry Research 2 - 4 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Directed research on a selected topic within clinical optometry.

Rules & Requirements

Prerequisites: O.D. Degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

OPTOM 299B Graduate Optometry Research 2 - 4 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

Directed research on a selected topic within clinical optometry.

Rules & Requirements

Prerequisites: O.D. Degree

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Optometry/Graduate

Grading: Letter grade.

OPTOM 430A Optometry Clinics 4 Units

Terms offered: Summer 2025 Second 6 Week Session, Summer 2017

First 6 Week Session, Summer 2017 Second 6 Week Session

Clinical practice in examination techniques and interpretation of clinical data. Primary care optometric exams.

Rules & Requirements

Prerequisites: Opt 200D and Opt 200DL

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Summer: 6 weeks - 24 hours of clinic and 3 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

OPTOM 430B Optometry Clinics 9 Units

Terms offered: Fall 2025, Fall 2024, Fall 2023

Examination of patients in a primary care setting, prescribing of optometric therapy, management of emergency procedures, and vision screenings of children and adults.

Rules & Requirements

Prerequisites: 430A

Hours & Format

Summer:

6 weeks - 37 hours of clinic, 1.5 hours of lecture, and 5 hours of seminar per week

8 weeks - 32 hours of clinic, 1 hour of lecture, and 4 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

Instructor: Revelli

OPTOM 430C Optometry Clinics 9 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

Examination of patients in a primary care setting, prescribing of optometric therapy, management of emergency procedures, and vision screenings of children and adults.

Rules & Requirements

Prerequisites: 430A

Hours & Format

Summer:

6 weeks - 37 hours of clinic, 1.5 hours of lecture, and 5 hours of seminar per week

8 weeks - 32 hours of clinic, 1 hour of lecture, and 4 hours of seminar per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

Instructor: Revelli

OPTOM 432 Introduction to Clinical Topics for the New Clinician 2 Units

Terms offered: Summer 2025 10 Week Session, Summer 2017 10 Week Session

This course is primarily intended to serve as an introduction to, as well as a review of, diseases, ocular conditions and topics that are commonly encountered during patient care. Since clinical faculty who teach during the summer will help to provide lectures, clinicians will also have the opportunity to meet Attendings in an informal setting.

Rules & Requirements

Prerequisites: Optom 200D Clinical Examination of the Visual System

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Summer: 10 weeks - 2.5 hours of lecture and 1 hour of discussion per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Ozawa

OPTOM 435 Advanced Procedures in Ocular Disease Diagnosis 2 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

Instrumentation, techniques, and principles for examination, diagnosis, and treatment of ocular disease. Introduction to optometric informatics related to ocular disease.

Rules & Requirements

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

OPTOM 440A Advanced Optometry Clinic 2.5 Units

Terms offered: Summer 2025 Second 6 Week Session, Summer 2017 First 6 Week Session, Summer 2017 Second 6 Week Session

Optometric examination of patients in the primary care clinic performed independently by student clinicians under supervision of the clinical staff.

Rules & Requirements

Prerequisites: 430C

Repeat rules: Course may be repeated for credit up to a total of 3 times.

Hours & Format

Summer: 6 weeks - 2 hours of seminar and 16 hours of clinic per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

OPTOM 440B Advanced Optometry Clinic 9 Units

Terms offered: Fall 2025, Fall 2024, Fall 2023

Examination of patients in a primary care setting. Diagnosis, prognosis, treatment, patient management and follow-up.

Rules & Requirements

Prerequisites: 440A and 441A

Hours & Format

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

Instructor: Revelli

OPTOM 440C Advanced Optometry Clinic 9 Units

Terms offered: Spring 2021, Spring 2020, Spring 2019

Examination of patients in a primary care setting. Diagnosis, prognosis, treatment, patient management and follow-up.

Rules & Requirements

Prerequisites: 440A and 441A (offered Summer Session only)

Hours & Format

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

Instructor: Revelli

OPTOM 441A Specialty Clinics 2.5 Units

Terms offered: Summer 2025 Second 6 Week Session, Summer 2017 First 6 Week Session, Summer 2017 Second 6 Week Session

Examination, diagnosis, prognosis, treatment, and management of patients in the specialty clinics.

Rules & Requirements

Prerequisites: 430C

Repeat rules: Course may be repeated for credit up to a total of 3 times.

Hours & Format

Summer: 6 weeks - 2 hours of seminar and 16 hours of clinic per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

OPTOM 441B Specialty Clinics 7 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Examination, diagnosis, prognosis, treatment, and/or management of patients in specialty clinics; ocular disease, contact lenses, binocular vision, ophthalmic optics, and environmental and occupational vision.

Rules & Requirements

Prerequisites: 440A and 441A (offered Summer Session only)

Hours & Format

Summer:

6 weeks - 2.5 hours of seminar and 18 hours of clinic per week

8 weeks - 2 hours of seminar and 16 hours of clinic per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

OPTOM 441C Specialty Clinics 7 Units

Terms offered: Spring 2021, Spring 2020, Spring 2019

Examination, diagnosis, prognosis, treatment, and/or management of patients in specialty clinics; ocular disease, contact lenses, binocular vision, ophthalmic optics, and environmental and occupational vision.

Rules & Requirements

Prerequisites: 440A and 441A (offered Summer Session only)

Hours & Format

Summer:

6 weeks - 2.5 hours of seminar and 18 hours of clinic per week

8 weeks - 2 hours of seminar and 16 hours of clinic per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

OPTOM 450A Grand Rounds and Seminar 2 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Presentation of clinical cases demonstrating basic and advanced optometric care, including diagnosis, treatment, and patient management.

Rules & Requirements

Prerequisites: 440A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of discussion per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

Instructors: Bailey, Sheedy

Formerly known as: 450B-450C

OPTOM 450B Grand Rounds and Seminar 2 Units

Terms offered: Spring 2021, Spring 2020, Spring 2019

Presentation of clinical cases demonstrating basic and advanced optometric care, including diagnosis, treatment, and patient management.

Rules & Requirements

Prerequisites: 440A

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of discussion per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

Instructor: Revelli

OPTOM 452 Current Concepts in Ocular Disease 1 Unit

Terms offered: Spring 2021, Spring 2020, Spring 2019

Recent advances in the detection, diagnosis, and management of ocular disease.

Rules & Requirements

Prerequisites: 440B and 441B

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of seminar per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Letter grade.

OPTOM 490A Optometric Spanish - Beginner Level I 1 Unit

Terms offered: Prior to 2007

This course provides an introduction to Spanish in its uses in a clinical optometry setting with the Spanish-speaking patient. Basic vocabulary and grammar acquisition and skill building exercises will help the practitioner perform conversations and procedures in simple but accurate and clear communications. The sounds and structures of Spanish, including the present tense and some other verbs will be covered. All materials will be taught and practiced in relation to their practical application in a clinical setting.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture per week

Summer: 8 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 490B Optometric Spanish - Intermediate Level II 1 Unit

Terms offered: Summer 2008 10 Week Session

This course provides vocabulary and grammar acquisition and skill building for the intermediate to advanced Spanish student who works with Spanish-speaking patients in the field of optometry. Emphasis is on practical, hands-on application of the materials: patient interviewing, doing various aspects of the eye exam, taking a history, and giving diagnostic, treatment, and follow-through information to the patient, with appropriate cultural sensitivity, taking into consideration the socio-cultural background of the patient. The goal is accurate and sophisticated communication.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture per week

Summer: 8 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Offered for satisfactory/unsatisfactory grade only.

OPTOM 499 Supervised Independent Study 1 - 12 Units

Terms offered: Fall 2025, Summer 2025 First 6 Week Session, Spring 2025

Independent study under control of Associate Dean for Student Affairs.

Rules & Requirements

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 1-12 hours of independent study per week

Summer:

6 weeks - 2.5-18 hours of independent study per week

8 weeks - 1.5-22.5 hours of independent study per week

Additional Details

Subject/Course Level: Optometry/Other professional

Grading: Offered for satisfactory/unsatisfactory grade only.