

# Optometry (OPTOM)

## Courses

Expand all course descriptions [+] Collapse all course descriptions [-]

### 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.

The Eye and Vision in a Changing Environment: Read More [+]

#### 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

The Eye and Vision in a Changing Environment: Read Less [-]

### 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.

The Eye and Vision in a Changing Environment: Read More [+]

#### 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

The Eye and Vision in a Changing Environment: Read Less [-]

### 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.

Freshman/Sophomore Seminar: Read More [+]

#### 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.

Freshman/Sophomore Seminar: Read Less [-]

### 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.

Sophomore Seminar: Read More [+]

#### 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.

Sophomore Seminar: Read Less [-]

## **OPTOM 98 Directed Group Study 1 Unit**

Terms offered: Fall 2024, Fall 2023, Fall 2022

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

Directed Group Study: [Read More](#) [+]

### **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

Directed Group Study: [Read Less](#) [-]

## **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.

Directed Group Studies: [Read More](#) [+]

### **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.

Directed Group Studies: [Read Less](#) [-]

## **OPTOM 200A Clinical Examination of the Visual System 2 Units**

Terms offered: Fall 2015, Fall 2014, Fall 2013

First in a 5-semester series designed to cover the theory and technical skills necessary to conduct a routine clinical exam of the eye and visual system. Topics 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. The course emphasizes case analysis and interpretation of exam findings that leads to an appropriate diagnosis and treatment.

Clinical Examination of the Visual System: [Read More](#) [+]

### **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

Clinical Examination of the Visual System: [Read Less](#) [-]

## **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.

Clinical Examination of the Visual System: [Read More](#) [+]

### **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.

Clinical Examination of the Visual System: [Read Less](#) [-]

## OPTOM 200B Clinical Examination of the Visual System 2 Units

Terms offered: Spring 2016, Spring 2015, Spring 2014

Students will learn the 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. Classification and epidemiology of refractive errors, evaluation of accommodative and binocular status.

Clinical Examination of the Visual System: Read More [\[+\]](#)

### 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

Clinical Examination of the Visual System: Read Less [\[-\]](#)

## 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.

Clinical Examination of the Visual System: Read More [\[+\]](#)

### 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.

Clinical Examination of the Visual System: Read Less [\[-\]](#)

## OPTOM 200C Clinical Examination of the Visual System 2 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Case analysis of refractive, accommodative, and binocular anomalies. Pediatric examination techniques. Advanced methods of examining the peripheral ocular fundus; anterior chamber angle evaluation.

Clinical Examination of the Visual System: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** 200B

### Hours & Format

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

### Additional Details

**Subject/Course Level:** Optometry/Graduate

**Grading:** Letter grade.

**Formerly known as:** 100C

Clinical Examination of the Visual System: Read Less [\[-\]](#)

## 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. Pediatric examination techniques. Advanced methods of examining the peripheral ocular funds; anterior angle evaluation.

Clinical Examination of the Visual System: Read More [\[+\]](#)

### Rules & Requirements

**Prerequisites:** Optom 200B

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

### Hours & Format

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

### Additional Details

**Subject/Course Level:** Optometry/Graduate

**Grading:** Letter grade.

Clinical Examination of the Visual System: Read Less [\[-\]](#)

## **OPTOM 200D Clinical Examination of the Visual System 2 Units**

Terms offered: Spring 2017, Spring 2016, Spring 2015

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.

Clinical Examination of the Visual System: Read More [+]

### **Rules & Requirements**

**Prerequisites:** 200C, 200CL

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

### **Hours & Format**

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

### **Additional Details**

**Subject/Course Level:** Optometry/Graduate

**Grading:** Letter grade.

Clinical Examination of the Visual System: Read Less [-]

## **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.

Clinical Examination of the Visual System: Read More [+]

### **Rules & Requirements**

**Prerequisites:** Optom 200C, Optom 200CL

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

### **Hours & Format**

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

### **Additional Details**

**Subject/Course Level:** Optometry/Graduate

**Grading:** Letter grade.

Clinical Examination of the Visual System: Read Less [-]

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

Terms offered: 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.

Advanced Procedures in Ocular Disease Diagnosis and Management: Read More [+]

### **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

Advanced Procedures in Ocular Disease Diagnosis and Management: Read Less [-]

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

Terms offered: Not yet offered

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.

Advanced Procedures in Ocular Disease Diagnosis and Management:  
Read More [\[+\]](#)

### 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

Advanced Procedures in Ocular Disease Diagnosis and Management:  
Read Less [\[-\]](#)

## OPTOM 203A Geometric Optics 4 Units

Terms offered: Not yet offered

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

Geometric Optics: Read More [\[+\]](#)

### 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

Geometric Optics: Read Less [\[-\]](#)

## OPTOM 203B Optical System and Physical Optics 4 Units

Terms offered: Not yet offered

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.

Optical System and Physical Optics: Read More [\[+\]](#)

### 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

Optical System and Physical Optics: Read Less [\[-\]](#)

## OPTOM 205 Visual Perception Sensitivity 4 Units

Terms offered: Not yet offered

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.

Visual Perception Sensitivity: Read More [+]

### 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

Visual Perception Sensitivity: Read Less [-]

## OPTOM 206A Anatomy and Physiology of the Eye 2 Units

Terms offered: Not yet offered

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.

Anatomy and Physiology of the Eye: Read More [-]

### 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

Anatomy and Physiology of the Eye: Read Less [-]

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

Terms offered: Not yet offered

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.

Anatomy and Physiology of the Eye and Visual System: Read More [\[+\]](#)

### 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

Anatomy and Physiology of the Eye and Visual System: Read Less [\[-\]](#)

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

Terms offered: Not yet offered

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.

Neuroanatomy and Neurophysiology of the Eye and Visual System: Read More [\[+\]](#)

### 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

Neuroanatomy and Neurophysiology of the Eye and Visual System: Read Less [\[-\]](#)

## 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.

Evidence Based Optometry: Read More [\[+\]](#)

### 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:** Letter grade.

**Instructor:** Liu

Evidence Based Optometry: Read Less [\[-\]](#)

## **OPTOM 217 Oculomotor Functions and Neurology 2 Units**

Terms offered: Not yet offered

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.

Oculomotor Functions and Neurology: [Read More](#) [+]

### **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

Oculomotor Functions and Neurology: [Read Less](#) [-]

## **OPTOM 219 Binocular Vision and Space Perception 2 Units**

Terms offered: Not yet offered

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.

Binocular Vision and Space Perception: [Read More](#) [+]

### **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

Binocular Vision and Space Perception: [Read Less](#) [-]

## 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 spheric 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.

Optics of Ophthalmic Lenses: Read More [+]

### 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.

Optics of Ophthalmic Lenses: Read Less [-]

## 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.

Advanced Clinical Optics: Read More [+]

### Rules & Requirements

**Prerequisites:** 222A

### Hours & Format

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

### Additional Details

**Subject/Course Level:** Optometry/Graduate

**Grading:** Letter grade.

**Formerly known as:** 122B

Advanced Clinical Optics: Read Less [-]

## OPTOM 226A Systemic Pharmacology 2.5 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

Basic pharmacology, terminology, and concepts (both pharmacodynamic and pharmacokinetic) and pharmacotherapy of medical conditions commonly encountered in clinical optometric practice (including cardiovascular disease, respiratory disease, diabetes, infection and inflammatory conditions, as well as central nervous system disorders).

Systemic Pharmacology: Read More [+]

### Rules & Requirements

**Prerequisites:** Vision Science 206D

### 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:** Letter grade.

**Instructor:** Wildsoet

Systemic Pharmacology: Read Less [-]

## **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.

Ocular Pharmacology: Read More [\[+\]](#)

### **Rules & Requirements**

**Prerequisites:** 226A

### **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:** Letter grade.

**Instructor:** Wildsoet

Ocular Pharmacology: Read Less [\[-\]](#)

## **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.

Graduate General Clinical Practice: Read More [\[+\]](#)

### **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.

Graduate General Clinical Practice: Read Less [\[-\]](#)

## **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.

Graduate General Clinical Practice: Read More [\[+\]](#)

### **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.

Graduate General Clinical Practice: Read Less [\[-\]](#)

## **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.

Graduate Specialty Clinics: Read More [\[+\]](#)

### **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.

Graduate Specialty Clinics: Read Less [\[-\]](#)

## OPTOM 231B Graduate Specialty Clinics 2 - 8 Units

Terms offered: Spring 2024, Spring 2023, Spring 2017

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

Graduate Specialty Clinics: Read More [+]

### 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

Graduate Specialty Clinics: Read Less [-]

## OPTOM 236A Systemic Disease and its Ocular Manifestations 3 Units

Terms offered: Fall 2019, Fall 2018, Fall 2017

The pathophysiology, pharmacotherapy, and clinical management of systemic and ocular diseases will be discussed 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.

Systemic Disease and its Ocular Manifestations: Read More [+]

### Rules & Requirements

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

### Hours & Format

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

### Additional Details

**Subject/Course Level:** Optometry/Graduate

**Grading:** Letter grade.

**Instructor:** Harvey

Systemic Disease and its Ocular Manifestations: Read Less [-]

## OPTOM 236B Systemic Disease and its Ocular Manifestations 3 Units

Terms offered: Spring 2017, Spring 2016, Spring 2015

The pathophysiology, pharmacotherapy, and clinical management of systemic and ocular diseases will be discussed 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.

Systemic Disease and its Ocular Manifestations: Read More [+]

### Rules & Requirements

**Prerequisites:** 236A

### Hours & Format

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

### Additional Details

**Subject/Course Level:** Optometry/Graduate

**Grading:** Letter grade.

**Instructor:** Harvey

Systemic Disease and its Ocular Manifestations: Read Less [-]

## 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.

Diagnosis and Treatment of Sensory/Motor Anomalies: Read More [+]

### Rules & Requirements

**Prerequisites:** Vision Science 217 and 219

### 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:** 140

Diagnosis and Treatment of Sensory/Motor Anomalies: Read Less [-]

## 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.

Advanced Management and Rehabilitation of Sensory/Motor Anomalies: Read More [+]

### 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

Advanced Management and Rehabilitation of Sensory/Motor Anomalies: Read Less [-]

## 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.

Diagnosis and Treatment of Anterior Segment Ocular Disease: Read More [+]

### 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

Diagnosis and Treatment of Anterior Segment Ocular Disease: Read Less [-]

## OPTOM 251 Low Vision 2.5 Units

Terms offered: Fall 2015, Fall 2014, Fall 2013

Epidemiology and etiology of low vision. Optical principles of low vision aids. Optometric examination and treatment of the low vision patient. Interdisciplinary rehabilitation resources, counseling, and referral.

Low Vision: Read More [+]

### Rules & Requirements

**Prerequisites:** 200D

### 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

Low Vision: Read Less [-]

## 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.

Diagnosis and Treatment of Posterior Segment Ocular Disease: Read More [+]

### 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

Diagnosis and Treatment of Posterior Segment Ocular Disease: Read Less [-]

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

Terms offered: Spring 2021, Spring 2020, Spring 2019

Examination procedures and instrumentation used in monitoring the ocular response to contact lenses. Contact lens inspection, care, and handling. Physical and optical properties of contact lenses. Fitting contact lenses to the human eye, clinical implications. The Sarver Lecture series in Contact Lenses (12 hours on a Saturday and Sunday.)

Contact Lenses: Examination Principles and Practice: Read More [+] **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:** Letter grade.

**Formerly known as:** 160A

Contact Lenses: Examination Principles and Practice: Read Less [-]

## 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.

Eyecare Business and Professional Management II: Read More [+]

### 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.

Eyecare Business and Professional Management II: Read Less [-]

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

Terms offered: 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. Exploring principles of practice management and modes of optometric practice: Read More [+]

### 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

Exploring principles of practice management and modes of optometric practice: Read Less [-]

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

Terms offered: 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.

Exploring principles of practice management and modes of optometric practice: Read More [+]

### **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

Exploring principles of practice management and modes of optometric practice: Read Less [-]

## **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.

Health Economics, Law and Policy for Optometrists: Read More [+]

### **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.

Health Economics, Law and Policy for Optometrists: Read Less [-]

## **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.

Graduate Clinical Rounds: Read More [+]

### **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.

Graduate Clinical Rounds: Read Less [-]

## OPTOM 281B Graduate Clinical Rounds 1 - 3 Units

Terms offered: Spring 2024, Spring 2023, Spring 2017

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

Graduate Clinical Rounds: Read More [+]

### 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.

Graduate Clinical Rounds: Read Less [-]

## OPTOM 291A Optometry Research Project 1 Unit

Terms offered: Fall 2015, Fall 2014, Fall 2013

Thesis research for optometry students. Presentation of research results.

Optometry Research Project: Read More [+]

### 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

Optometry Research Project: Read Less [-]

## OPTOM 291B Optometry Research Project 1 Unit

Terms offered: Spring 2024, Spring 2023, Spring 2017

Thesis research for optometry students. Presentation of research results.

Optometry Research Project: Read More [+]

### 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

Optometry Research Project: Read Less [-]

## OPTOM 292A Graduate Optometry Seminar 1 - 3 Units

Terms offered: Fall 2024, Fall 2023, Fall 2022

Graduate seminars on selected topics in clinical optometry.

Graduate Optometry Seminar: Read More [+]

### 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.

Graduate Optometry Seminar: Read Less [-]

## **OPTOM 292B Graduate Optometry Seminar 1 - 3 Units**

Terms offered: Spring 2024, Spring 2023, Spring 2017

Graduate seminars on selected topics in clinical optometry.

Graduate Optometry Seminar: [Read More](#) [+]

### **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.

Graduate Optometry Seminar: [Read Less](#) [-]

## **OPTOM 298A Independent or Group Studies 1 - 6 Units**

Terms offered: Fall 2024, Fall 2023, Fall 2022

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

Independent or Group Studies: [Read More](#) [+]

### **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.

Independent or Group Studies: [Read Less](#) [-]

## **OPTOM 298B Independent or Group Studies 1 - 6 Units**

Terms offered: Spring 2024, Spring 2023, Spring 2021

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

Independent or Group Studies: [Read More](#) [+]

### **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.

Independent or Group Studies: [Read Less](#) [-]

## **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.

Graduate Optometry Research: [Read More](#) [+]

### **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.

Graduate Optometry Research: [Read Less](#) [-]

## OPTOM 299B Graduate Optometry Research 2 - 4 Units

Terms offered: Spring 2024, Spring 2023, Spring 2021

Directed research on a selected topic within clinical optometry.

Graduate Optometry Research: Read More [+]

### 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.

Graduate Optometry Research: Read Less [-]

## OPTOM 430A Optometry Clinics 4 Units

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

Second 6 Week Session, Summer 2016 Second 6 Week Session

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

Optometry Clinics: Read More [+]

### 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.

Optometry Clinics: Read Less [-]

## OPTOM 430B Optometry Clinics 9 Units

Terms offered: Fall 2024, Fall 2023, Fall 2022

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

Optometry Clinics: Read More [+]

### 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

Optometry Clinics: Read Less [-]

## OPTOM 430C Optometry Clinics 9 Units

Terms offered: Spring 2024, Spring 2023, Spring 2021

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

Optometry Clinics: Read More [+]

### 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

Optometry Clinics: Read Less [-]

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

Terms offered: Summer 2017 10 Week Session

This course emphasizes ocular conditions and diseases that are commonly encountered during patient care. The goal is to improve observational skills for new clinicians by presenting clinical information in a Grand Rounds format and to increase efficiency for comprehensive eye examinations by outlining alternative strategies for examining patients and analyzing clinical data.

Introduction to Clinical Topics for the New Clinician: Read More [+]

### Rules & Requirements

**Prerequisites:** Optom 200D Clinical Examination of the Visual System

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

### Hours & Format

**Summer:** 10 weeks - 2 hours of lecture and 1 hour of discussion per week

### Additional Details

**Subject/Course Level:** Optometry/Other professional

**Grading:** Letter grade.

**Instructor:** Ozawa

Introduction to Clinical Topics for the New Clinician: Read Less [-]

## 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.

Advanced Procedures in Ocular Disease Diagnosis: Read More [+]

### 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.

Advanced Procedures in Ocular Disease Diagnosis: Read Less [-]

## OPTOM 440A Advanced Optometry Clinic 2.5 Units

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

Second 6 Week Session, Summer 2016 Second 6 Week Session

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

Advanced Optometry Clinic: Read More [+]

### 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.

Advanced Optometry Clinic: Read Less [-]

## OPTOM 440B Advanced Optometry Clinic 9 Units

Terms offered: Fall 2024, Fall 2023, Fall 2022

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

Advanced Optometry Clinic: Read More [+]

### Rules & Requirements

**Prerequisites:** 440A and 441A

### Hours & Format

### Additional Details

**Subject/Course Level:** Optometry/Other professional

**Grading:** Letter grade.

**Instructor:** Revelli

Advanced Optometry Clinic: Read Less [-]

## 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.

Advanced Optometry Clinic: Read More [+]

### 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

Advanced Optometry Clinic: Read Less [-]

## OPTOM 441A Specialty Clinics 2.5 Units

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

Second 6 Week Session, Summer 2016 Second 6 Week Session

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

Specialty Clinics: Read More [+]

### 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.

Specialty Clinics: Read Less [-]

## 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.

Specialty Clinics: Read More [+]

### 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.

Specialty Clinics: Read Less [-]

## 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.

Specialty Clinics: Read More [+]

### 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.

Specialty Clinics: Read Less [-]

## **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.

Grand Rounds and Seminar: Read More [\[+\]](#)

### **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

Grand Rounds and Seminar: Read Less [\[-\]](#)

## **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.

Grand Rounds and Seminar: Read More [\[+\]](#)

### **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

Grand Rounds and Seminar: Read Less [\[-\]](#)

## **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.

Current Concepts in Ocular Disease: Read More [\[+\]](#)

### **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.

Current Concepts in Ocular Disease: Read Less [\[-\]](#)

## **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.

Optometric Spanish - Beginner Level I: Read More [\[+\]](#)

### **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.

Optometric Spanish - Beginner Level I: Read Less [\[-\]](#)

## **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.

Optometric Spanish - Intermediate Level II: Read More [+]

### **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.

Optometric Spanish - Intermediate Level II: Read Less [-]

## **OPTOM 499 Supervised Independent Study 1 - 12 Units**

Terms offered: Fall 2024, Spring 2024, Fall 2023

Independent study under control of Associate Dean for Student Affairs.

Supervised Independent Study: Read More [+]

### **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.

Supervised Independent Study: Read Less [-]