

# Optometry (OPTOM)

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## Courses

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

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 when topic changes.

### 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**

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 as topic varies. 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**

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

**Rules & Requirements**

**Credit Restrictions:** Enrollment is restricted; see the Introduction to Courses and Curricula section of this catalog.

**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**

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

**Rules & Requirements**

**Credit Restrictions:** Enrollment is restricted; see the Introduction to Courses and Curricula section of this catalog.

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

**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  
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 fundus; perimetry.

**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:** 100A

OPTOM 200AL Clinical Examination of the Visual System 3 Units  
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 when topic changes.

**Hours & Format**

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

**Additional Details**

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

**Grading:** Letter grade.

OPTOM 200B Clinical Examination of the Visual System 2 Units  
Classification and epidemiology of refractive errors, evaluation of accommodative and binocular status. Tonometry, advanced techniques of examining the posterior pole, evaluation of visual pathway function.

**Rules & Requirements**

**Prerequisites:** 200A

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

**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:** 100B

OPTOM 200BL Clinical Examination of the Visual System 3 Units  
Classification and epidemiology of refractive errors, evaluation of accommodative and binocular status. Tonometry, advanced techniques of examining the posterior pole, evaluation of visual pathway function.

**Rules & Requirements**

**Prerequisites:** Opt 200A, Opt 200AL

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

**Hours & Format**

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

**Additional Details**

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

**Grading:** Letter grade.

OPTOM 200C Clinical Examination of the Visual System 2 Units  
Case analysis of refractive, accommodative, and binocular anomalies.  
Pediatric examination techniques. Advanced methods of examining the peripheral ocular fundus; anterior chamber angle evaluation.

**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

OPTOM 200CL Clinical Examination of the Visual System 2 Units  
Case analysis of refractive, accommodative, and binocular anomalies.  
Pediatric examination techniques. Advanced methods of examining the peripheral ocular funds; anterior angle evaluation.

**Rules & Requirements**

**Prerequisites:** OPTOM 200B (<http://guide.berkeley.edu/search/?P=OPTOM%20200B>)

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

**Hours & Format**

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

**Additional Details**

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

**Grading:** Letter grade.

OPTOM 200D Clinical Examination of the Visual System 2 Units  
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:** 200C, 200CL

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

**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 200DL Clinical Examination of the Visual System 2 Units  
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 (<http://guide.berkeley.edu/search/?P=OPTOM%20200C>), OPTOM 200CL (<http://guide.berkeley.edu/search/?P=OPTOM%20200CL>)

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

**Hours & Format**

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

**Additional Details**

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

**Grading:** Letter grade.

OPTOM 213 Evidence Based Optometry 1 Unit  
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.

**Rules & Requirements**

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

**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

**OPTOM 222A Optics of Ophthalmic Lenses 4 Units**

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.

**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:** Letter grade.

**OPTOM 222B Advanced Clinical Optics 2 Units**

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.

**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

**OPTOM 226A Systemic Pharmacology 2.5 Units**

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).

**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

**OPTOM 226B Ocular Pharmacology 2.5 Units**

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

**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

**OPTOM 230A Graduate General Clinical Practice 2 - 6 Units**

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. Course may be repeated for credit when topic changes.

**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**

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. Course may be repeated for credit when topic changes.

**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**

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. Course may be repeated for credit when topic changes.

**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**

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. Course may be repeated for credit when topic changes.

**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**

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.

**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

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

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.

**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

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

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

**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

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

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**

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 2.5 Units**

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.

**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

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

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**

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.)

**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

**OPTOM 270B Eyecare Business and Professional Management I 2 Units**  
A review of the optometric profession and its opportunities. Debt management, goal setting, professional practice operations including accounting and finance, patient communications, fee calculation, scheduling, office systems flow and operations. Professional ethics, malpractice, and microeconomics as it affects the practice of optometry.

**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 270C Eyecare Business and Professional Management II 2 Units**  
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 281A Graduate Clinical Rounds 1 - 3 Units**  
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. Course may be repeated for credit when topic changes.

**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**  
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. Course may be repeated for credit when topic changes.

**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**  
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**  
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  
Graduate seminars on selected topics in clinical optometry.

**Rules & Requirements**

**Prerequisites:** O.D. degree

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

**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  
Graduate seminars on selected topics in clinical optometry.

**Rules & Requirements**

**Prerequisites:** O.D. degree

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

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

**Rules & Requirements**

**Prerequisites:** O.D. degree

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

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

**Rules & Requirements**

**Prerequisites:** O.D. degree

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

**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  
Directed research on a selected topic within clinical optometry.

**Rules & Requirements**

**Prerequisites:** O.D. Degree

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

**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  
Directed research on a selected topic within clinical optometry.

**Rules & Requirements**

**Prerequisites:** O.D. Degree

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

**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**

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 when topic changes.

**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**

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**

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**

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.

**Rules & Requirements**

**Prerequisites:** OPTOM 200D (<http://guide.berkeley.edu/search/?P=OPTOM%20200D>) Clinical Examination of the Visual System

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

**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

**OPTOM 435 Advanced Procedures in Ocular Disease Diagnosis 2 Units**

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. Course may be repeated for credit when topic changes.

**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**

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 a maximum 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**

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

**Rules & Requirements**

**Prerequisites:** 440A and 441A

**Additional Details**

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

**Grading:** Letter grade.

**Instructor:** Revelli

**OPTOM 440C Advanced Optometry Clinic 9 Units**

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)

**Additional Details**

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

**Grading:** Letter grade.

**Instructor:** Revelli

**OPTOM 441A Specialty Clinics 2.5 Units**

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

**Rules & Requirements**

**Prerequisites:** 430C

**Repeat rules:** Course may be repeated a maximum 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**

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**

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**

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**

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  
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  
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  
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  
Independent study under control of Associate Dean for Student Affairs.

**Rules & Requirements**

**Prerequisites:** Consent of instructor

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

**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.