

Optometry

The School of Optometry provides professional training in the art and science of vision care. Drawing upon the principles of anatomy, optics, physiology, and psychology, the four-year professional program leads to the degree of Doctor of Optometry, which qualifies one to take national and state board examinations.

Doctors of Optometry are health care professionals. Optometry is a primary health care profession that encompasses the prevention and remediation of disorders of the vision system through examination, diagnosis, treatment, and/or management of visual efficiency, eye health, and related systemic manifestations. Optometry graduates are able to diagnose patients with ocular disease or systemic diseases with ocular manifestations. Recent changes in optometry laws across the United States have expanded the scope of optometric practice, giving practitioners responsibility for nonsurgical pharmaceutical treatment of eye disorders and diseases.

Doctors of Optometry are educated in the sciences of anatomy, chemistry, physics, mathematics, neurology, bacteriology, microbiology, disease processes and detection, pharmacology, behavioral science, social science, public health, and many other related fields. The school provides four years of comprehensive training in vision care aimed at training primary eye care practitioners. The first year emphasizes advanced study of sciences which form the background of optometry, such as ocular anatomy, medical physiology and biochemistry, ocular pathology, physiology, microbiology and virology, neuroanatomy, the psychology of vision, vision science, geometric optics, ophthalmic optics, pharmacology, and theoretical and practical optics. The second and third years are devoted to the science of optometry and the acquisition of skills in examination procedures. Although clinic participation is involved in all four years, active responsibility for patient care begins in the spring preceding the third year. The fourth year is devoted to primary care practice of optometry and the detailed study of specialized areas, including contact lenses, binocular and infant vision, vision functions, ocular disease, vision of the elderly, and low vision.

Optometry offers a wide variety of interesting, challenging, and rewarding careers in private practice, in hospitals and other health organizations, and in public service. The education acquired at the School of Optometry provides today's Doctors of Optometry with the knowledge and skill necessary to meet the challenges of providing vision care.

Admission to the University

Uniform minimum requirements for admission

The following minimum requirements apply to all programs and will be verified by the Graduate Division:

1. A bachelor's degree or recognized equivalent from an accredited institution;
2. A minimum grade-point average of B or better (3.0);
3. If the applicant comes from a country or political entity (e.g. Quebec) where English is not the official language, adequate proficiency in English to do graduate work, as evidenced by a TOEFL score of at least 570 on the paper-and-pencil test, 230 on the computer-based test, 90 on the iBT test, or an IELTS Band

score of at least 7 (note that individual programs may set higher levels for any of these); and

4. Enough undergraduate training to do graduate work in the given field.

Applicants who already hold a graduate degree

The Graduate Council views academic degrees as evidence of broad research training, not as vocational training certificates; therefore, applicants who already have academic graduate degrees should be able to take up new subject matter on a serious level without undertaking a graduate program, unless the fields are completely dissimilar.

Programs may consider students for an additional academic master's or professional master's degree if the additional degree is in a distinctly different field.

Applicants admitted to a doctoral program that requires a master's degree to be earned at Berkeley as a prerequisite (even though the applicant already has a master's degree from another institution in the same or a closely allied field of study) will be permitted to undertake the second master's degree, despite the overlap in field.

The Graduate Division will admit students for a second doctoral degree only if they meet the following guidelines:

1. Applicants with doctoral degrees may be admitted for an additional doctoral degree only if that degree program is in a general area of knowledge distinctly different from the field in which they earned their original degree. For example, a physics PhD could be admitted to a doctoral degree program in music or history; however, a student with a doctoral degree in mathematics would not be permitted to add a PhD in statistics.
2. Applicants who hold the PhD degree may be admitted to a professional doctorate or professional master's degree program if there is no duplication of training involved.

Applicants may only apply to one single degree program or one concurrent degree program per admission cycle.

Any applicant who was previously registered at Berkeley as a graduate student, no matter how briefly, must apply for readmission, not admission, even if the new application is to a different program.

Required documents for admissions applications

1. **Transcripts:** Upload unofficial transcripts with the application for the departmental initial review. Official transcripts of all college-level work will be required **if admitted**. Official transcripts must be in sealed envelopes as issued by the school(s) you have attended. Request a current transcript from every post-secondary school that you have attended, including community colleges, summer sessions, and extension programs. If you have attended Berkeley, upload unofficial transcript with the application for the departmental initial review. Official transcript with evidence of degree conferral **will not** be required if admitted.
2. **Letters of recommendation:** Applicants can request online letters of recommendation through the online application system. Hard copies of recommendation letters must be sent directly to the program, not the Graduate Division.
3. **Evidence of English language proficiency:** All applicants from countries in which the official language is not English are required to submit official evidence of English language proficiency. This requirement applies to applicants from Bangladesh, Burma, Nepal,

India, Pakistan, Latin America, the Middle East, the People's Republic of China, Taiwan, Japan, Korea, Southeast Asia, and most European countries. However, applicants who, at the time of application, have already completed at least one year of full-time academic course work with grades of B or better at a U.S. university may submit an official transcript from the U.S. university to fulfill this requirement. The following courses will not fulfill this requirement: 1) courses in English as a Second Language, 2) courses conducted in a language other than English, 3) courses that will be completed after the application is submitted, and 4) courses of a non-academic nature. If applicants have previously been denied admission to Berkeley on the basis of their English language proficiency, they must submit new test scores that meet the current minimum from one of the standardized tests.

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VIS SCI 206B	Anatomy and Physiology of the Eye and Visual System	3
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Optometry

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

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, OPTOM 200CL

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 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.