

# OPHTHALMOLOGY (OPHT)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, please contact the School of Medicine student records coordinator (natalie.harper@louisville.edu).

## Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

### OPHT 816. Special Project-Ophthalmology 1-16 Units

**Description:** This course is to be arranged to fit the individual needs to cover topics of current interest, to participate in research projects or to receive some advanced training.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

### OPHT 825. Common Diseases of the Eye 1 Unit

**Description:** Second-year elective. A seminar format involving the pathobiology of eye disease will be presented for 16 weeks (1 hour per week). The pathogenesis, diagnosis, treatment of various common eye diseases will be discussed- for example, diabetic retinopathy, glaucoma, age-related macular degeneration. Selective readings will be assigned and class discussions of those readings will occur.

**Note:** Method of Evaluation includes observation of performance and practical exam at the conclusion of the elective.

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### OPHT 905. Area Health Education Center (AHEC) Rotation-Ophthalmology 1-4 Units

**Prerequisite(s):** Fourth-year standing.

**Description:** In this four-week elective, clinical experience will be obtained in various ophthalmology practices in rural Kentucky. The student will be encouraged to participate in the community to gain an understanding of how community characteristics affect medical care delivery.

**Note:** Method of Performance is observation of performance.

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### OPHT 906. Clinical Elective/Urban 1-4 Units

**Prerequisite(s):** Fourth-year standing.

**Description:** This elective will allow the student to obtain experience in general patient care, both office and hospital, in the private practice of ophthalmology. The student must complete the Off-Campus Request Form and have it approved by the departmental course director.

**Note:** Method of Evaluation is observation of performance.

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### OPHT 907. Clinical Elective/Off-Campus 1-4 Units

**Prerequisite(s):** Fourth-year standing.

**Description:** A clinical experience maybe obtained in an approved program in ophthalmology under the supervision of a full-time member of a duly recognized educational or research institution. The student must complete the Off-Campus Request Form and have it approved by the departmental course director.

**Note:** Method of Evaluation is observation of performance.

**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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### OPHT 909. Research/Independent Study 1-4 Units

**Prerequisite(s):** Fourth-year standing.

**Description:** In this four-week elective, the student will be provided an in-depth learning opportunity in the details of ophthalmology by working with a faculty member to develop objectives and a plan of study in the field of the student's interest.

**Note:** Method of Observation is observation of performance.

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### OPHT 910. Ambulatory Rotation-Ophthalmology 1-4 Units

**Prerequisite(s):** Fourth-year standing.

**Description:** AR Selective. In this two- or four-week elective or four-week selective, the student will evaluate new patients in conjunction with residents and attendings at KLEC-PCC, or VAMC Eye Clinics. Students will have assigned readings in a specified ophthalmology basic text; participate in rounds and conferences, including grand rounds. Refraction and minor lid procedures may be included in the rotation. The student will develop basic eye examination skills including pupil examination, evaluation of eye movements, direct ophthalmology, and basic slit lamp techniques. Emphasis will be placed on the emergency evaluation of the eye and ocular manifestations of systemic diseases.

**Note:** Method of Evaluation includes direct observation of interaction with patients as well as the development of basic skills in eye examination; assessment of knowledge will be made through an oral examination.

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**OPHT 911. Clinical Ophthalmology 1-4 Units**

**Prerequisite(s):** Fourth-year standing; this elective must be scheduled with the clinical coordinator of Ophthalmology department.

**Description:** This is four-week clinical experience in Ophthalmology and its different sub-specialties, such as cornea and external disease, pediatric ophthalmology, retinal disease, glaucoma and oculoplastics disease. The student will attend all conferences in the department as well as those of related interest in other departments. Special arrangements maybe made to take formal courses in related fields or gain additional experience in our own laboratories. Students will acquire the skills of the basic eye examination, utilizing commonly available instruments such as flashlight and the direct ophthalmoscope and acquire the acquaintance with the indirect ophthalmoscope, slit lamp and fundus contact lens; understand the ophthalmologists role in eye care, referral utilizations and expertise, approaches to emergency eye care and appreciation of ocular manifestations in systemic diseases.

**Note:** Method of Evaluation includes observation of performance to demonstrate an interest and ability in basic ophthalmology skills; assigned readings; and that the student displays the talents of a competent physician while on service.

**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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**OPHT 914. Surgical Ophthalmology 1-4 Units**

**Prerequisite(s):** Fourth-year standing; this elective must be scheduled with the clinical coordinator for the Ophthalmology department.

**Description:** The four-week elective is designed to introduce the fourth-year medical student into the evaluation, diagnosis and management of patients with surgical ocular diseases. The student will be involved in the preoperative evaluation, surgical care and postoperative care of patients. The student will rotate on the Cornea, Glaucoma, Pediatric Ophthalmology, Oculoplastic and Retina Services to gain a broad experience into the field of surgical ophthalmology. The student will also be involved in the trauma call and the surgical care of patients with ocular and periocular trauma. The student will be required to give a patient presentation at the departmental Grand Rounds at the conclusion of the rotation. Course Goals: To understand the indications for and techniques of common ocular surgeries--i.e., cataract, corneal transplants, glaucoma, strabismus, retinal detachment, facial and ocular and trauma (facial ocular and periocular) surgeries; understand the principles of pre- and post-operative evaluation and care of ophthalmic surgical patients; increase clinical skills by examining patients in the clinic and assisting in surgery; students will learn about the informed consent process for surgical procedures and increase skills in information management and critical thinking by giving a formal case presentation.

**Note:** Method of Evaluation includes observation of performance, quality of case presentation, participation, and a multiple-choice examination.

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