

OPHTHALMOLOGY AND VISUAL SCIENCES

Contact the Ophthalmology and Visual Sciences CST Coordinator (<https://catalog.unmc.edu/medicine/curriculum/phase3/career-specialty-tracks/>) with scheduling questions unless a course administrator is specified for a course in the course description.

OPHT 720 CLINICAL OPHTHALMOLOGY 4 Credit Hours SUB-INTERN

This elective functions as an introductory course to clinical ophthalmology which includes experiences in all areas of general ophthalmologic diagnosis and therapy. This course is appropriate for all Phase III students. Within this broad field, the following areas will be emphasized: 1. Basic ophthalmic history taking and its correlation with the general medical history. 2. Functional evaluation of the visual system including determination of near and distance visual acuity, confrontation visual field, and color vision. 3. Recognition of other testing procedures designed to detect dysfunction of any components of the visual system. 4. Direct examination of the visual system including pupillary exam, measurement of intraocular pressure, and direct ophthalmoscopy. 5. Learning about the use and limitations of the slit-lamp and indirect ophthalmoscopy. 6. Observation of ocular surgical procedures. 7. Identification of the most common causes of blindness. 8. Awareness of the relative urgency of common ophthalmic referrals. The goal of this program is to lay a firm foundation of basic ophthalmic knowledge and diagnostic skill. There is no call requirement, but an on-call experience can be requested by interested students. The rotation includes attendance of weekly scheduled conferences and didactics. Students will be expected to give a brief presentation to the course director and fellow learners. Alternatively, they can develop a brief educational video, module, or equivalent from a list of topics. An exam will be given at the end of the rotation based on reading, didactic sessions, and clinical teaching. Evaluation is based on clinical performance, presentation, post-rotation examination, interpersonal skills, and professionalism. Rotations Offered: Each 4 weeks. Site: Truhlsen Eye Institute
Instructor: Dr. Shannon Lynch
Typically Offered: FALL/SPR
Capacity: 2

OPHT 721 ADVANCED CLINICAL OPHTHALMOLOGY SUB-INTERNSHIP 4 Credit Hours SUB-INTERN

This senior elective functions as a sub-internship in clinical ophthalmology which includes experiences in all areas of general ophthalmologic diagnosis and therapy. Within this comprehensive field, the following areas will be emphasized: 1. Ophthalmic history taking and presentation of the case to faculty. 2. Refinement of functional evaluation of the visual system including determination of near and distance visual acuity, confrontation visual field, and color vision. 3. Basic interpretation of advanced testing procedures designed to detect dysfunction of any components of the visual system such as perimetry, OCT, and neuroimaging. 4. Direct examination of the visual system including pupillary exam, measurement of intraocular pressure, direct ophthalmoscopy, slit-lamp, and indirect ophthalmoscopy. 5. Early steps towards generation of a differential diagnosis, recommendation of appropriate testing, and development of a treatment plan. 6. Observation of and participation in ocular surgical procedures. 7. Identification of the most common causes of blindness including recognition of vision threatening and non-vision threatening causes of red eye. 8. Awareness of the relative urgency of common ophthalmic referrals. The goal of this program is to fortify the foundation of ophthalmic knowledge and diagnostic skill for students planning to apply for ophthalmology residency. There is no overnight call requirement, but students will be required to participate in at least one inpatient consult with the on-call resident during the rotation. The rotation includes attendance of weekly scheduled conferences and didactics. Students will be expected to present at grand rounds to the department. Students will also be expected to develop a brief educational video, module, or equivalent from a list of topics. An exam will be given at the end of the rotation based on reading, didactic sessions, and clinical teaching. Evaluation is based on clinical performance, presentation, educational project, post-rotation examination, interpersonal skills, and professionalism. Rotations Offered: Each 4 weeks. Site: Truhlsen Eye Institute.
Prerequisite: Prior ophthalmology experience such as successful completion of OPHT 720, ophthalmology rotation during surgical clerkship, or equivalent experience approved by the Instructor.
Instructor: Dr. Shannon Lynch
Typically Offered: FALL/SPR
Capacity: 2

OPHT 760 OPHTHALMOLOGY AWAY CLINICAL 4 Credit Hours SUB-INTERN

A rotation at another educational institution requiring entry through third-party application platforms (e.g., VSLO), often associated with an outside academic institution or residency program. Rotations Offered: Each 4 weeks.
Prerequisite: An approved Away Rotation Application. Not open to visiting students.
Typically Offered: FALL/SPR
Capacity: Variable

OPHT 761 OPHTHALMOLOGY AWAY NON-CLINICAL 4 Credit Hours NON-CLINIC

A rotation at another educational institution requiring entry through third-party application platforms (e.g., VSLO), often associated with an outside academic institution or residency program. Rotations Offered: Each 4 weeks.
Prerequisite: An approved Away Rotation Application. Not open to visiting students.
Typically Offered: FALL/SPR
Capacity: Variable

OPHT 764 OPHTHALMOLOGY OFF-CAMPUS PRECEPTORSHIP 4 Credit Hours

SUB-INTERN

A pre-arranged rotation occurring under the supervision of volunteer faculty not accessed through a third-party application platform, usually at a regional private clinic within the state of Nebraska. Rotations Offered: Each 4 weeks.

Prerequisite: An approved Off-Campus Preceptorship Application. Not open to visiting students.

Typically Offered: FALL/SPR

Capacity: Variable

OPHT 790 RESEARCH IN OPHTHALMOLOGY 4-5 Credit Hours

NON-CLINIC

Rotations Offered: By arrangement.

Prerequisite: Not open to visiting students.

Typically Offered: FALL/SPR

Capacity: Variable