

NEUROLOGICAL SURGERY (NSUR)

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/>).

NSUR 816. Special Project-Neurosurgery 1-16 Units

Grading Basis: Pass/Fail

Description: This course is to be arranged to fit 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>)

NSUR 907. Clinical Elective, Off-Campus 1-16 Units

Prerequisite(s): Fourth-year standing.

Description: A clinical experience may be obtained in an approved program in neurological surgery under the supervision of the faculty of a duly recognized educational or research institution. This rotation would be especially useful for those students planning a career in neurological surgery and wishing to experience another institution first hand. 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 by preceptor.

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.

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

NSUR 920. Neurological Surgery

1-16 Units

Prerequisite(s): Fourth-year standing.

Description: The student will be assigned full-time to work with one of the faculty of neurological surgery and a senior resident during this two-week elective. The student will actively participate in the diagnostic work-up and the management of intracranial vascular lesions, brain tumors, and head trauma. The student will learn the principles of good history taking, physical examination and surgical evaluation of the patient. The student will gain experience with the correct application of the various radiological, isotopic and other neurological diagnostic procedures and the pre- and post-operative care of the intracranial and intraspinal neurological procedures. Attendance is mandatory at scheduled clinics and conferences.

Note: Method of Evaluation includes observation of the degree and quality of the student's participation in the daily clinical and teaching activities of the service.

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NSUR 921. Sub-Internship in Neurosurgery

1-4 Units

Prerequisite(s): Fourth-year standing.

Description: Surgical/Perioperative Selective. This is a four-week rotation that acquaints students with the diagnosis, operative treatment and post-operative care of patients suffering from a wide variety of neurological problems including tumors of the brain and spine, cerebrovascular abnormalities, infection, trauma and congenital abnormalities of the central and peripheral nervous system. Students work closely with the neurosurgical faculty and resident team at the University of Louisville Hospital, a Level One Trauma Center, evaluating patients in the outpatient clinic and in the hospital. The students observe diagnostic and operative procedures and participate in post-operative care. There are daily teaching rounds, weekly tutorial sessions, and weekly conferences in Neurosurgical topics. The medical student is heavily incorporated into the neurosurgery team. Duties include heavily participating during morning rounds, operative assistance, post-operative patient care, and clinic. Students are required to participate in all educational activities with the residents and prepare a brief presentation for the faculty and residents.

Note: Method of Evaluation is combined subjective and objective observation by preceptor.

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

NSUR 922. Physical Medicine & Rehabilitation 2-4 Units

Prerequisite(s): Fourth-year standing.

Description: This is a two- or four-week elective and is hospital based at Frazier Rehabilitation Center, but includes out-patient evaluation with additional observation of electromyography and nerve conduction studies and cinefluoroscopic swallowing assessment. Rotations are divided among the traumatic brain injury unit, stroke unit, spinal cord unit, orthopedic unit, general rehab unit and cardiopulmonary unit. Instruction is by both the attending and resident physician on the unit. Emphasis is on history and physical examination with physiatric application, therapeutic exercise and modality prescription writing, equipment and assistive device assessment, daily rounding and participation in weekly multi-discipline team conferencing and family teaching. Introductory lectures & observation of the allied disciplines of Physical Therapy, Occupational Therapy and Speech Therapy are interspersed during this rotation. The goal of this experience is to gain knowledge of skills needed in the field of physiatry, to perform a thorough history and physical with physiatric emphasis; to gain knowledge in diagnostic procedures of EMG, NCS, cinefluoroscopic swallowing assessment; to become familiar with the scope of allied health disciplines important to the field of Physical Medicine & Rehabilitation; and to become familiar with therapeutic approaches in treating patients with debilitating injury and/or illness.

Note: Method of Evaluation is evaluation of patient care, medical knowledge, interpersonal and communication skills, systems-based practice, practice-based learning and improvement, and professionalism.

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

NSUR 923. Acting Internship in Neurosurgery 4 Units

Grading Basis: Pass/Fail

Term Typically Offered: Fall, Spring, Summer

Prerequisite(s): Fourth-year standing.

Description: This four-week course is designed to educate the students wishing to pursue a career in neurosurgery about the issues a neurosurgery intern deals with on a daily basis. To be eligible, students must be planning to apply for a neurosurgery residency.

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