

Advanced Clinical Rotations

Students are required to complete at least two 4 week patient care (clinical) rotations in a surgical specialty as a requirement for graduation. These rotations may be completed either under the auspices of the Department of Surgery or the Department of Obstetrics and Gynecology. One of the rotations is required to meet the requirements as a sub internship with inpatient care.

Advanced surgical clerkship and sub internship students are expected to expand on the general familiarity of the entire surgical experience gained during the core clerkship, and increase knowledge and independent practice skill sets in preparation to become a house officer. At a minimum, students should complete the surgical curriculum as an educated consumer of surgical resources. This includes membership on the "surgical team" with full participation in all activities of the team. These activities will include inpatient and outpatient evaluation, treatment planning, discussions concerning decision-making, preoperative evaluation, operative experience, post-operative care, surgical rounds, and surgical conferences. Students on surgical rotations must scrub and assist in procedures. Formal teaching will include grand rounds, daily lectures, journal clubs, teaching conferences, and bedside clinical instruction.

Surgical Sub internships

Sub internships differ from standard rotations in that the learning objectives fall under two separate but equally important categories 1) gaining knowledge, skills, and experience related to the clinical specialty and 2) developing competency in core practical skills required of a house officer (e.g. caring for inpatients, evaluating and admitting patients to the service, and taking call). Students on SUBI rotations are expected to perform as closely as possible to the level of a PGY 1. The rotation must include the daily care of inpatients, and call for the student at the same frequency as the most junior resident on the service who takes overnight call. Submission of a completed patient log is required.

Elective Courses (*Courses with an * have a related SUBI listing*)

All Elective courses are Duration: 4 weeks, Hours: 5, Grading: Pass/Fail

SUR 4400 General Surgery*

Participate as a member of a general surgical team, providing inpatient, outpatient, and emergency surgical care.

SUR 4420 Cardiothoracic Surgery*

Participate in surgical treatment of patients with a wide spectrum of heart and pulmonary diseases, including open heart surgery. Students will master the cardiac examination and clinical adjuncts.

SUR 4440 Burn Intensive Care Unit*

Participate in total care of burn patients; involving invasive monitoring, fluid resuscitation, metabolic/nutritional support, and surgical therapy of wounds.

SUR 4460 Vascular Surgery*

Participate in the preoperative evaluation, diagnosis and management, and operative treatment of vascular disease. Students will master the vascular examination.

SUR 4480 Renal Transplantation Rotations

Participate as members of a multidisciplinary patient care team, including nephrologists, surgeons, transplant nurse, social workers, dialysis nurse, and immunologists. Includes exposure to transplantation immunology, histocompatibility, and immuno-suppression, as well as transplant harvest and surgical transplantation.

SUR 4510 Pediatric Surgery*

Exposure to various aspects of pediatric surgical care to include of neonatal surgical diseases.

SUR 4530 Sports Orthopedics

Students master a thorough examination of extremities and the operative management of sports injuries; topics include response to soft tissue injury, fractures, and orthopedic traumatology.

SUR 4550 Ophthalmology

Introduction to external eye examinations, visual acuity measuring techniques, intraocular pressure measurement, neuro-ophthalmologic examination, slit lamp examination, fundoscopy, and ocular examination in eye injuries.

SUR 4570 ENT*

Exposure to infections and inflammatory diseases of the head and neck, head and neck oncology, traumatology, reconstructive surgery, and otologic diseases and rehabilitation thereof.

SUR 4620 Urology*

Evaluation, and medical and surgical management of the urinary tract and the male genital tract.

SUR 4640 Orthopedic Surgery*

Students master a thorough examination of extremities and the operative management of orthopedic conditions.

SUR 4660 Plastic Surgery*

Exposure to the field of aesthetic surgery with some experience in the management of ordinary minor surgical problems, reconstructive surgery of trauma and congenital anomalies, and tissue transplantation techniques.

SUR 4690 Trauma Surgery*

Member of a Trauma Team, with exposure to initial evaluation and resuscitation, and a wide perspective of trauma care/systems; from epidemiology of injury, to life-saving procedures.

SUR 4720 Surgical ICU/Med SURG ICU*

Member of a Critical Care Team, with exposure to care issues such as ethical considerations, management of ventilators, ongoing resuscitations, drugs used in the ICU setting, and placement of invasive lines for monitoring.

SUR 4750 Neurosurgery*

Exposure to evaluating patients with a variety of neurological complaints, in order to enhance skills in performing neurological exams, and in formulating/evaluating appropriate differential diagnostic possibilities.

SUR 4755 Community Multi-Specialty Surgery (FORM 114 REQUIRED)

Students participate in treating patients in multiple surgical specialties in a small hospital setting, gaining exposure to a broad spectrum of procedures and techniques. Prior Department approval is necessary for this rotation.

SUR 4758 International Surgery (FORM 114 REQUIRED)

Students gain surgical experience at an international location. This experience is often multispecialty, with students participating in a variety of patient care settings and procedures. Prior department approval is necessary for this rotation.

SUBI Courses

SUBI courses are Duration: 4 weeks, Hours: 8, Grading: Honors/Pass/Fail

Goal: Gain experience in procedures appropriate for the students' level of training, improve manual dexterity in surgical technical skills, and experience house officer responsibilities (including call). Students will be expected to perform at near intern level by the end of the rotation. See the corresponding elective course listing for a description of the targeted learning objectives and experiences.

SUR 4410 General Surgery SUBI

SUR 4430 Cardiothoracic Surgery SUBI

SUR 4450 Burn Intensive Care Unit SUBI

SUR 4470 Vascular Surgery SUBI

SUR 4520 Pediatric Surgery SUBI

SUR 4581 ENT SUBI

SUR 4630 Urology SUBI

SUR 4650 Orthopedic Surgery SUBI

SUR 4670 Plastic Surgery SUBI

SUR 4700 Trauma Surgery SUBI

SUR 4710 Surgical ICU/Med SURG ICU SUBI

SUR 4760 Neurosurgery SUBI