



Marshall University
Joan C. Edwards School of Medicine
Visiting Student Elective Catalog

Anesthesiology

ANS 800 – Anesthesiology

This course introduces foundational skills in anesthesiology, including obtaining preoperative patient histories, performing cardiopulmonary evaluations, and planning anesthesia care. Key topics include pharmacology, common anesthesia techniques, patient monitoring, and postoperative care, providing a comprehensive overview of the anesthesiologist's role in patient management.

Family Medicine

FCH 800 – Outpatient Family Medicine

Experiences vary, with electives available at various family medicine sites, including community health centers and private practitioner offices. You'll work under clinical faculty and resident supervision, conducting histories, physical exams, assessments, and management of patients of all ages. Participation in health promotion and disease prevention is included, along with proper documentation of patient encounters.

FCH 827 – Sub-internship in Family Medicine

You will perform at the level of an intern on the inpatient team, covering a range of patients. Duties include admission histories/physicals, acting as the patient's primary physician, ordering and interpreting lab data, treatment selection, and patient communication. Attendance at the weekly Family Practice Grand Rounds is mandatory. Night calls will be assigned on a rotating basis.

FCH 888 – Rural Family Medicine

The experience in this course may vary depending on the location. Electives will be available at various rural sites. You may primarily engage in office-based patient care, or you may have a more diverse experience that combines outpatient care, evaluation of patients in the emergency room, and inpatient care of hospitalized patients. Assignments to sites will be based on your interests and availability. Under the direct supervision of clinical faculty and residents, you will obtain pertinent histories, conduct necessary physical exams, develop working assessments, and initiate management for patients of all ages with acute and chronic illnesses in a rural setting. You will also contribute to the health promotion and disease prevention efforts for patients. Accurate documentation of all patient encounters will be your responsibility. Additionally, you will be involved in a community service project. Night call requirements may vary depending on the site.

Internal Medicine

MED 805 – Clinical Endocrinology and Metabolism

Develop clinical skills and expertise in diabetes, thyroid disease, and other endocrine disorders. Work closely with an endocrinologist, participate in patient rounds, and attend outpatient endocrinology clinics. Approximately forty percent of your time will be spent in ambulatory care.

MED 807 – Gastroenterology

Introduce yourself to clinical gastroenterology. Be integrated into a clinical rotation like that of interns. Take responsibility for the consultation history and physical examination of a hospitalized patient referred for GI consultation. Participate in case discussions, review relevant scientific literature, and present cases during rounds. Gain exposure to procedural aspects of gastroenterology, including upper endoscopy and colonoscopy.

MED 811 – Hematology/Medical-Oncology

Gain experience in diagnosing and managing hematological and oncological conditions in both inpatient and outpatient settings. This includes anemia, coagulation disorders, and hematological and solid neoplasms. Special instruction covers focused physical examination techniques, bone marrow aspiration, microscopic evaluation, and treatment planning.

MED 813 – Infectious Disease

Acquire knowledge and skills in evaluating and treating infected patients. Emphasis on developing a rational approach to antimicrobial use and infection prevention. Gain exposure to outpatient infectious disease evaluation and management, including STD and Tuberculosis Clinics.

MED 817 – Clinical Nephrology

Evaluate and manage patients with common renal problems, including acute and chronic renal failure, fluid and electrolyte abnormalities, hypertension, hemodialysis, and transplantation. Participate in inpatient consults and outpatient experiences in nephrology.

MED 821 – Pulmonary Medicine

This course offers both inpatient and outpatient experiences. Work directly with various pulmonary attendings and fellows, attend 2-3 half-day clinics weekly, and participate in the sleep clinic. Experience consultations with hospitalized patients and be involved in their evaluation, including any necessary pulmonary procedures. This rotation is based at MUMC, HWWVAMC, CHH, and SMMC.

MED 823 – Clinical Rheumatology

Rheumatologic illnesses contribute significantly to morbidity in the general population. Physicians need the knowledge and skills to diagnose and manage common rheumatologic conditions encountered in medical practice. During this rotation, you'll acquire the necessary knowledge and skills to identify and manage these conditions. Emphasis will be placed on recognizing various rheumatologic illnesses, conducting appropriate diagnostic evaluations, and testing, and developing effective treatment plans.

MED 826 – Hospital Medicine

This course provides a structured clinical experience in the field of Academic Hospital Medicine. It is a supervised and personalized educational experience aimed at improving and building upon cognitive and technical clinical skills attained during the medicine clerkship. Learn the clinical skills and attitudes essential to the practice of Academic Hospital Medicine and the delivery of high-quality patient care. The attending will assign patients for you to follow from admission to discharge. You will participate in patient care, including writing admission orders, and progress notes, obtaining consults, and discharge planning. Additionally, you'll identify and present on a topic in hospital medicine and attend required committee meetings and conferences.

MED 827 – Sub-internship in Medicine

- *Offered at the VA only. Due to VA credentialing, the course must be scheduled two months in advance.*

This course offers a structured clinical experience, allowing you to integrate into an inpatient medical team and refine your cognitive and technical clinical skills.

MED 828 – Advanced Clerkship in Med/Ped

This course provides structured clinical experience in the broad field of General Internal Medicine and Pediatrics. It is an educational experience aimed at improving and building upon cognitive and technical clinical skills attained during the clerkships. Learn the clinical skills and attitudes essential to the practice of General Internal Medicine and Pediatrics. Deliver high-quality patient care and rotate with several faculty members in Internal Medicine and Pediatrics to gain comprehensive experience.

MED 833 – Critical Care in Medicine

Gain exposure to Critical Care Medicine, applying foundational physiology to critically ill patients.

Neurology

NEU 803 – Neurosurgery

This course provides a foundational understanding of surgical diseases involving the brain and spinal cord. You will learn to diagnose common neurosurgical issues through proper neurological history-taking and examination, as well as the interpretation of key diagnostic studies, including X-rays, CT scans, MRI scans, and other commonly used modalities. Attend rounds with staff physicians and participate in all neurological and neurosurgical conferences. Active involvement in conferences, including presentations and discussions, is encouraged. The course requires an equal allocation of time between clinical and surgical settings. In the surgical setting, active participation in procedures is expected. You will also be part of the on-call schedule and play an active role in neurosurgical consultations on both the hospital floor and emergency ward.

NEU 827 – Sub-internship in Neurology

Gain independence and responsibility equivalent to an intern in inpatient service. Work directly with attending faculty, performing patient examinations, diagnoses, and management. Learn various neurology-related procedures and interpretations.

Obstetrics and Gynecology

OBG 813 – Gynecologic Surgery

You will be responsible for the pre- and post-operative management of patients undergoing surgical procedures for benign gynecologic conditions. This course covers the evaluation, ambulatory management, and surgical options for treating female pelvic floor dysfunction. Proficiency in the anatomy of the female pelvis and basic laparoscopic skills will be demonstrated.

OBG 827 – Sub-internship in Obstetrics

Focus on antepartum care, prenatal care, at-risk pregnancies, and labor management. Develop skills in labor induction, postpartum care, and more.

OBG 835 – Maternal and Fetal Medicine

This course equips you with essential tools to evaluate and manage at-risk pregnancies, with a focus on prenatal diagnosis and imaging (including ultrasound), embryology, fetal growth and development, genetics in prenatal diagnosis, maternal hypertensive disorders, diabetes complicating pregnancy, and inpatient and ambulatory management of at-risk pregnancies. It also covers maternal and fetal physiology, including anatomic adaptations to pregnancy.

OBG 850 – Gynecologic Oncology

This course involves comprehensive management of patients with precancerous and invasive lesions of the pelvic organs on both inpatient and outpatient bases. Students will be actively involved in all activities of the service, including departmental conferences, hospital rounds, and outpatient clinics.

Ophthalmology

OPH 804 – Ophthalmology

This course familiarizes you with the techniques for examining the eye, common fundus pathology, cataracts, glaucoma, common external problems, and ophthalmic emergencies. There may also be exposure to ophthalmic surgery, pre-op, and post-operative care.

Orthopedics

ORT 827 – Sub-Internship in Orthopedics

Gain experience in both office and hospital settings, with preference given to those interested in orthopedic surgery.

Pediatrics

PED 805 – Neonatology

Observe and participate in the management of high-risk newborns in the Neonatal Intensive Care Unit. Emphasis on recognition, assessment, and immediate therapeutic measures, all under direct supervision. Responsible for daily assessment of nutritional needs, growth, and development of high-risk infants. Reading and involvement in selected diagnoses and management reports are expected. Reporting details will be sent a week prior to the rotation.

PED 807 – Pediatric Critical Care

Observe and participate in the management of critically ill pediatric patients. Emphasis on assessment, recognition, and daily treatment plans. You will have primary responsibility for one or two patients during daily

rounds. Reading and involvement in selected diagnoses and management reports are expected. Reporting details will be sent a week prior to the rotation.

PED 827 – Sub-Internship in Pediatrics

Function as a house team member, participating in pediatric patient care. Manage patient evaluation, clinical appraisal, and care planning under close supervision.

Psychiatry

PSI 801 – Child and Adolescent Psychiatry

This course emphasizes gaining clinical expertise in diagnosing and treating psychiatric disorders in children and adolescents. You will work with inpatients in acute or residential settings and at the Marshall Psychiatry outpatient mental health clinic. Common disorders covered include attention deficit hyperactivity disorder, depression, oppositional defiant disorder, conduct disorder, anxiety, autism, other developmental disorders, and substance abuse. Additional experiences may be arranged after discussion and approval by the Course Director.

PSI 802 – Inpatient Psychiatry

The Inpatient Psychiatry course provides an intensive exploration of psychiatric care within an inpatient setting. Participants will gain hands-on experience in evaluating and managing patients with acute psychiatric disorders. This course emphasizes the assessment of individuals in crisis, treatment planning, and collaboration with interdisciplinary teams. Through direct exposure to inpatient care, participants will develop crucial skills in crisis intervention, medication management, and therapeutic interventions tailored to the unique needs of each patient. This course offers a comprehensive understanding of the complexities involved in psychiatric care delivery in an inpatient setting.

PSI 803 – Geriatric Psychiatry

The Geriatric Psychiatry course focuses on the specialized field of psychiatry dedicated to the mental health care of older adults. Participants will gain essential skills in assessing, diagnosing, and treating psychiatric disorders specific to the geriatric population. This course addresses the unique challenges and considerations associated with aging, including dementia, mood disorders, anxiety, and other mental health conditions prevalent in older adults. Participants will have the opportunity to work closely with experienced professionals in geriatric psychiatry and gain valuable insights into providing compassionate and effective mental health care for elderly patients. This course provides a comprehensive foundation in geriatric psychiatry, preparing participants to deliver high-quality care to this growing demographic.

PSI 804 – Psychiatric Consultation

In this course, you will work closely with a faculty member specializing in consultations. This hands-on experience will enhance your interviewing and diagnostic skills and deepen your understanding of the interplay between emotional and physical aspects of illness. You will accompany or precede the faculty member in responding to consultations, follow up with patients seen in consultation (both inpatients and outpatients), and receive supervision in follow-up contacts by faculty. You will also be expected to prepare cases for presentation at clinical staff conferences.

PSI 806 – Neurodevelopmental Psychiatry

The Neurodevelopmental Psychiatry course delves into the assessment, diagnosis, and treatment of individuals with neurodevelopmental disorders. Participants will gain comprehensive knowledge and practical skills in understanding and managing conditions such as autism spectrum disorders, ADHD, learning disabilities, and other neurodevelopmental challenges. This course emphasizes a multidisciplinary approach, involving collaboration with specialists from various fields to provide holistic care. Participants will have hands-on experience in evaluating and developing treatment plans for individuals across the lifespan. This course equips participants with essential tools to support individuals with neurodevelopmental conditions and their families, fostering improved quality of life and overall well-being.

PSI 827 – Sub-Internship in Psychiatry

Gain skills for comprehensive inpatient care for adult psychiatric patients, covering assessments, treatment plans, medication management, and more.

Surgery

SUR 801 – General Surgery

This course provides comprehensive experience in surgery, allowing you to take on responsibilities akin to an intern. You will handle consults in the emergency room and on the floor, oversee admitted patients, and assist in surgical procedures.

SUR 827 – Sub-Internship in Surgery

Participate in the care of surgical patients, emphasizing functioning at a PGY-1 level with close supervision.

SUR 833 – Surgical Intensive Care Unit

Gain proficiency in the pre-evaluation of surgical patients in the trauma bay and the assessment of critically ill surgical patients. Emphasis on multidisciplinary treatment of trauma patients. Develop an understanding of critically ill surgical patients and basic skills in the assessment of initial resuscitation, management, and recovery of post-surgical intensive care patients.

SUR 888 – Rural Surgery

This course offers an introduction to primary care, emphasizing wellness, maintenance, and disease prevention. The experience highlights collaborative healthcare provision and case management for functionality and quality. It also involves community service, including participation in health fairs and health education projects in schools. Patient care is examined in terms of continuity management and community support, moving away from anecdotal disease management.