

Visiting Student Elective Course Guide 2024 – 2025

Please direct **all** application questions to VisitingStudents@Jefferson.edu and **do not** contact the departments directly. Visiting students will be considered based on space availability. All clinical rotations are 4-weeks long and 3 credits.

Clinical Academic Calendar

2024-2025		
Block Name	Date Range	Last Day to Submit Completed Application
MU	05/13 – 06/09	March 18, 2024
MV	06/10 – 07/07	April 15, 2024
MJ	07/08 – 08/04	May 13, 2024
MK	08/05 – 09/01	June 10, 2024
ML	09/02 – 09/29	July 8, 2024
MM	09/30 – 10/27	August 5, 2024
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MR	02/03 – 03/02	December 9, 2024
MS	03/03 – 03/30	January 6, 2025
MT	04/14 – 05/11	February 17, 2025

ANESTHESIOLOGY

ANES 401: General Anesthesia Sub-Internship

This comprehensive course introduces the medical student to preoperative evaluation, intraoperative, and postoperative anesthesia management of surgical patients. Emphasis is placed on the principles of anesthesia, physiology of various organ systems, anesthetic pharmacology, and hemodynamic monitoring. The medical student works as a member of the anesthesia care team, interacting with staff anesthesiologists and residents. The last week of course can be spent in the subspecialty of the student's choice, i.e. cardiac, neurosurgery, obstetrics anesthesia, etc. [4 weeks, 3 credits]

2024-2025: MM, MN, MP

ANES 402: Regional Anesthesia

This course introduces medical students to the different applications of regional anesthesia techniques for intraoperative and postoperative patient management. Students work as a member of the anesthesia care team with staff anesthesiologists, fellows, and residents. They get exposure to a variety of regional techniques and their surgical applications. Basics of ultrasound are taught. Hands-on experience with performing nerve blocks on phantom models is provided. Students are expected to make a 10-15 minute oral presentation on a relevant topic during their last week of the course. [4 weeks, 3 credits]

2024-2025: MM, MN, MP

ANES 403: Acute Pain Management

Students in this course are members of the pain management team and apply the principles of evaluation of patients with acute and chronic pain syndromes. Time will be spent in the postoperative acute pain service. Teaching stresses the need for a complex, multidisciplinary approach to pain problems. The course is useful for students planning a career in anesthesia as well as those who will encounter patients with chronic pain syndromes in family medicine, internal medicine, and surgical practices. [4 weeks, 3 credits]

2024-2025: MM, MN, MP

DERMATOLOGY

DERM 401: Dermatology Sub-Internship

This clerkship includes examination and treatment of patients in the outpatient department, PowerPoint presentations of common skin diseases, conferences on dermatologic literature, and consultation service on inpatients. A formal presentation at the end of the clerkship will be required. [4 weeks, 3 credits]

2024-2025: MJ, MK, ML, MM, MN, MP, MR

EMERGENCY MEDICINE

EMRG 401: Emergency Medicine Sub-Internship

The Emergency Medicine/Advanced Clinical Skills (EM/ACS) Clerkship is a mandatory rotation for all fourth-year Sidney Kimmel Medical Students. Students will work closely with Emergency Medicine (EM) attendings and residents in the diagnosis and management of patients who present to the Emergency Department (ED). Students will work between 24 and 32 hours per week in the Emergency Department. Students will attend EM conference and didactic sessions during the rotation. At the end of the rotation, all students will take a multiple-choice examination and complete a project. [4 weeks, 3 credits]

2024-2025: MJ, MK, ML, MM

NEUROLOGY

NEUR 431: Advanced Neurology

The Advanced Neurology Course is an elective course for students to explore a wide range of advanced topics as a baseline framework for a potential future career in Neurology. The student will build their schedule by selecting from six course options: Multispecialty Outpatient Clinics, Epilepsy Monitoring Unit, Neurocritical Care at the Jefferson Hospital for Neuroscience (JHN), Night-float at Gibbon or JHN (rotating with the consult resident), Jefferson Northeast Consult Service (staffed by Neurology Department Faculty), or Inpatient Headache Service at Methodist (staffed by Neurology) [4 weeks, 3 credits]

2024-2025: MT

NEUROLOGICAL SURGERY

NSRG 401: Neurosurgery Sub-Internship

Students participate in the inpatient service activities as well as outpatient sessions. They are responsible for history taking and physical examinations. Special emphasis is placed upon the neurological examination. The student participates in diagnostic studies and their interpretation, as well as rounds, conferences, and operative procedures. Individual students may elect to attain specific knowledge goals within this field, and a faculty member is assigned in consultation. The student will have scheduled meetings with the clerkship director reviewing the basics of the neurological examination as it pertains to the field of Neurological Surgery. Upon topic review with Dr. Tjoumakaris, students will review a topic and write a brief presentation

following evidence-based data research. Students will attend office hours once per week, with attendings from the different Neurosurgery divisions. [4 weeks, 3 credits]

2024-2025: MU, MV, MJ, MK, ML, MM, MN, MP, MQ, MR, MT

OBSTETRICS AND GYNECOLOGY

OBGY 402: Outpatient Sub-Internship

The purpose of this course is to further develop skills in diagnosis and management of common gynecologic and obstetric complaints. At the end of the course, students should feel comfortable performing a concise history and physical exam for both problem and routine visits. The physical exam should include both a breast and pelvic exam. Students will be capable of collecting specimens, performing office tests and interpreting the results. Lastly, students will create a management plan and document all findings in the medical record.

[4 weeks, 3 credits]

2024-2025: MV, MJ, MM

OPHTHALMOLOGY

OPHT 401: Senior Clinical Clerkship in Ophthalmology @ Wills Eye

The clerkship in Ophthalmology is clinically oriented with emphasis placed upon examination techniques and the diagnosis and treatment of common eye problems. The student participates in all activities of the Department of Ophthalmology, including conferences, the emergency room, the operating room, and outpatient care services. A multiple-choice test is given at the conclusion of the clerkship. [4 weeks, 3 credits]

2024-2025: ML, MM, MN, MP, MR, MT

OPHT 407: Ocular Pathology @ Wills Eye

This course is designed to familiarize the student with ocular structure, microscopic anatomy, and the basic principles of ocular disease. The student will participate in the daily activity of the ocular pathology laboratory as well as study from a slide set of common ocular conditions. The course is limited to those interested in Ophthalmology. A written test is given at the conclusion of the clerkship. [4 weeks, 3 credits]

2024-2025: ML, MM, MN, MP, MR, MT

OPHT 482: Pediatric Ophthalmology @ Wills Eye

A comprehensive experience in pediatric ophthalmology and strabismus including direct patient care in the clinic setting and surgical observation. Students will be exposed to all aspects of the specialty, attend didactic sessions and case conferences, and have the opportunity to write case reports for publication if desired. [4 weeks, 3 credits]

2024-2025: ML, MM, MN, MP, MR, MT

ORTHOPAEDICS

ORTH 401: Orthopaedic Surgery Sub-Internship @ Rothman Orthopaedics

This is a fourth-year elective designed for medical students interested in pursuing a career in Orthopaedic Surgery. It is an intensive sub-internship style experience. The student will rotate on 2 Orthopaedic sub-specialties which may include spine, joints, shoulder, hand, foot and ankle, sports, trauma, or oncology, over the course of the 4-week block. Students will be assigned to a chief resident "mentor" who will be responsible for following the students during the two-week sub-rotation. Under the direction of the chief resident, the student will rotate through the operating room and office hours with various attendings. They will also be given the opportunity to participate and help manage patients and general inpatient work with the junior residents. [4 weeks, 3 credits]

2024-2025: MJ, MK, ML, MM, MN

OTOLARYNGOLOGY/HEAD AND NECK SURGERY

OTOL 401: Otolaryngology Sub-Internship

Students are assigned to the Otolaryngology Service at Thomas Jefferson University Hospital for a four-week block. They have an opportunity to work with each of the attendings, attend surgery, work in the outpatient clinics, make rounds daily, participate in Grand Rounds, and go to teaching conferences which are held on a regular basis on Wednesdays. Students attend a series of clinical conferences on the various aspects of otolaryngology and outpatient clinics where they are instructed in history taking, physical examination, differential diagnosis, and a course of management. They write progress notes and orders which are reviewed and signed by resident faculty. Elective students are treated as though they were junior interns. [4 weeks, 3 credits]

2024-2025: MV, MJ, MK, ML, MM, MN, MP, MQ, MR, MT

PATHOLOGY

PATH 401: General Pathology

The course consists of theoretical and practical applications of specific areas in Pathology. The course is delivered in a hybrid online and in-person format. The student will be given multiple online modules using the Canvas platform in anatomic and clinical pathology. The in-person component will consist of Surgical Pathology and Autopsy. Depending on availability, there may be other in-person learning opportunities in other areas of pathology. [4 weeks, 3 credits]

2024-2025: MV, MJ, MK, ML, MR, MT

PATH 402: Hematopathology

This course is an elective that may be taken by senior students who plan to pursue a future career in pathology or hematology/oncology. The approval for this elective is at the discretion of the course director. The student must send an email to the course director about their interest in the field of pathology/hematopathology or Hematology/Oncology. The course is open for all three options including: in-person (preferable), hybrid, as well as virtual. The hybrid and virtual options are for those situations when we have too many trainees rotating at one time. This course satisfies the advanced basic science elective in the fourth-year curriculum. This four-week course allows students to participate in the daily activities of the Hematopathology section of the department. Students develop a better understanding of pathophysiology, morphology, and clinical features of hematologic disorders. A number of departmental and interdepartmental teaching and patient conferences are available for student attendance. Evaluation is based on student attendance and participation, as well as an end of rotation clinical case presentation. Prerequisite: PATH 401 General Pathology. [4 weeks, 3 credits]

2024-2025: MV, MJ, MK, ML, MM, MN, MP, MR, MT

PATH 404: Postmortem Pathology

Students in this course will observe and assist in at least one full adult autopsy, develop an appreciation for the correlation of clinical and pathologic findings, improve ability to interpret radiologic and laboratory data in light of pathologic findings, and review general anatomy. Students will attend and participate in the activities of the autopsy service, assist the resident(s) during autopsy, assist the resident(s) with data collection and research, attend microscopic sign-out of all cases reviewed during the week, and use free time to review basic anatomy and histology, using books and slide sets available from the Chief Resident. At the end of this course, students will present an interesting autopsy as a 10-minute PowerPoint presentation. [4 weeks, 3 credits]

2024-2025: MV, MK, ML, MM, MQ, MS, MT

PSYCHIATRY

PSYH 431: Consultation & Liaison Psychiatry

During this course the student: (1) develops skills in the evaluation and treatment of psychiatric illness in the medical setting; (2) develops an appreciation for the interface between psychological/social factors and medical illness; and (3) learns about the variety of consultation services provided by a psychiatrist in the general hospital setting. The student functions as an integral clinical member of the Consultation-Liaison Service (C-L). The student is responsible for performing initial consultations and follow-up as indicated. Because the C-L service receives requests for consults from virtually all clinical services at Thomas Jefferson University Hospital, a student has the opportunity to gain experience with the management of a wide range of clinical issues. The student is supervised by the attendings and resident(s) assigned to the service and fellow(s) in psychosomatic medicine. Students participate in daily teaching rounds. There is a formal didactic meeting each week and weekly grand rounds. [4 weeks, 3 credits]

2024-2025: MJ, MK, ML, MM, MN, MP

RADIATION ONCOLOGY

RONM 401: Sub-Internship in Radiation Oncology

The goal of this four-week clinical rotation is for medical students to learn the fundamentals of Radiation Oncology as an opportunity to explore the specialty as a possible career choice. Students interested in gaining a deeper understanding of oncology care but not planning to pursue radiation oncology will find this course useful to understand Radiation Oncology as a specialty and therefore better be able to coordinate and deliver optimal multi-disciplinary care and counsel future patients. During the clerkship, students will be expected to work-up patients, perform physical exams, and present cases to faculty. Students will be exposed to treatment planning, simulations, and treatment deliveries throughout the rotation. [4 weeks, 3 credits]

2024-2025: MV, MJ, MK, ML, MM, MN, MP, MR

RADIOLOGY

RAD 401: Diagnostic Radiology

Students attend didactic lectures that include a radiology core curriculum and subspecialty introductory lectures in chest, cardiac, abdominal, musculoskeletal, computed tomography, ultrasound, MRI, interventional radiology, neuroradiology, mammography, nuclear medicine, physics, and pediatric radiology. Students participate in a variety of exercises with partners, in groups or teams to reinforce learning. This includes a hands-on Ultrasound Workshop, where students scan each other. Students also participate in image interpretation sessions with attending radiologists, residents, and fellows during clinical rotations in Musculoskeletal, Fluoroscopy, Body CT, Ultrasound, Interventional Radiology, Mammography, and Nuclear Medicine. Students learn appropriate criteria for ordering diagnostic imaging studies and have various case discussions concerning optimal imaging utilization. There is a midterm quiz and a final examination, both of which include image interpretation. The final grade is based on test scores, assignments, and class participation. [4 weeks, 3 credits]

2024-2025: MJ, ML, MM, MQ, MR, MT

RAD 407: Interventional Radiology

The fourth-year elective in Interventional Radiology is designed to expose students to the wide range of minimally invasive procedures performed by interventional radiologists. Students will actively participate in procedures as well as be involved in the pre and post procedure management of patients. By the end of the month, students will have gained an understanding of the indications, contraindications, risks, and benefits of procedures as well as the role of interventional radiologists in the management of both critically ill and non-critically ill patients. Students will be integrated into the interventional radiology team by participating in morning rounds, procedures, and clinics. During the rotation, students are expected to give two short case

presentations on patients with disease topics of interest. By the end of the month, students will have a better understanding of both the diagnostic and therapeutic capabilities of the Interventional Radiology division. [4 weeks, 3 credits]

2024-2025: MV, MJ, MK, ML, MM, MN, MR, MT

RAD 408: Musculoskeletal Radiology

Students will be exposed to musculoskeletal disorders through radiography, CT, MRI, and image guided MSK interventional procedures. They will enhance their knowledge of musculoskeletal anatomy, physiology, and pathology through imaging. Students will participate in read outs with the MSK faculty, attend conferences and review materials for self-study. Students will be expected to present a case at the end of the elective. [4 weeks, 3 credits]

2024-2025: MV, MJ, MK, ML, MM, MN, MR, MT

REHABILITATION MEDICINE

REHAB 401: Clinical Clerkship in Rehabilitation Medicine

This is a full-time practical experience in evaluation, diagnosis, and management of people with physical disability, including those with complicated medical problems. The goal of this rotation is to enable students to describe the scope of the practice of Physical Medicine and Rehabilitation (PM&R) through providing a wide range of experiences. Coequal is the goal of full utilization of all health team members needed to accomplish the functional goals of the patient. In addition, students will learn to effectively interact with people with severe disabilities in a hope-engendering manner and understand the wide-ranging effects of life-altering functional disabilities. Under the direct supervision of the attending staff and house staff within the Department of Rehabilitation Medicine, students actively participate in daily work rounds and teaching rounds, as well as all departmental teaching conferences. [4 weeks, 3 credits]

2024-2025: MV, MJ, MK, ML, MM, MN, MP, MQ, MR

SURGERY

SURG 452: General Surgery

During the clerkship, students participate in preoperative and postoperative care of surgical patients, as well as participating in the operative procedures themselves. The students are considered an integral part of the surgical team at a more advanced level than the core surgical clerkships (Surgery 350). Clinical x-ray and pathology conferences, ward rounds, and teaching seminars form the basis for surgical instruction outside the operating room. Assumption of graduated individual responsibility is encouraged. As sub-interns, students are responsible to their resident team as well as attendings. [4 weeks, 3 credits]

2024-2025: MK, ML, MM

UROLOGY

UROL 401: Senior Elective in Urology

Students receive an in-depth exposure to principles of urologic diagnosis and actively function as a house officer in the operating room, clinical office hours, and with inpatients. Both surgical and nonsurgical approaches to urologic disease are emphasized with a presentation of underlying mechanisms of urologic disease. In this rotation, students are welcome to attend all conferences, journal club, and resident didactic sessions. They are encouraged to participate in case presentations during urology Grand Rounds and are offered a broad range of practical and didactic opportunities. An oral presentation is required at the end of the rotation in a Grand Rounds setting. [4 weeks, 3 credits]

2024-2025: MV, MJ, MK, ML, MM, MN, MP, MR, MT

UROL 430: Advanced Topics in Urology

This is a fully online course and no travel to Jefferson is needed. Students will be exposed to general and specialty-specific urologic conditions along with evaluation, diagnosis, and treatment. All learning will be

done virtually through lectures and case reports. Recorded surgical videos that are specific to the learning modules will be supplied. The curriculum will be available through Canvas. Assessment will be via discussion board prompts, for which a grading rubric will be supplied, and multiple-choice questions specific to each module. Students will be asked to participate in virtual conferences within the Urology Department, including weekly Pathology Tumor Board and Grand Rounds. Weekly lectures over a Zoom platform will be given by Urology faculty. Graded: P/F. [4 weeks, 3 credits]

2024-2025: MV, MJ, MK, ML, MM, MN, MP, MR, MT

COURSE GRID SCHEDULE BELOW



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Department	Courses	MV	MJ	MK	ML	MM	MN	MP	MQ	MR	MS	MT
Radiology	RAD 401: Diagnostic Radiology		✓		✓	✓			✓	✓		✓
	RAD 407: Interventional Radiology	✓	✓	✓	✓	✓	✓			✓		✓
	RAD 408: Musculoskeletal Radiology	✓	✓	✓	✓	✓	✓			✓		✓
Surgery	SURG 452: General Surgery			✓	✓	✓						
Urology	UROL 401: Clinical Clerkship	✓	✓	✓	✓	✓	✓	✓		✓		✓
	UROL 430: Advanced Topics in Urology	✓	✓	✓	✓	✓	✓	✓		✓		✓