INTERNAL MEDICINE (IM)

IM 0107 - Clinical Exposure to Management of Transplant Patients
Credit(s): 3 Credits
Students will shadow in six sessions. The student will in turn shadow transplant nephrologists, transplant hepatologists, and transplant surgeons. Students will do chart review with the transplant nephrologist and surgeon and actively learn how to review electronic medical records.

IM 0115 - Asthma & Allergy Clinical Services
Credit(s): 2-12 Credits (Repeatable for credit)
The asthma & allergy clinical service elective will run in conjunction with the asthma & allergy clinic at the Health Resource Center. Selected students will take ownership in the success of this clinic by completing a semester-long project intended to build and strengthen the clinic. Students will volunteer at bi-weekly asthma/allergy clinics during elective time. Additionally, students will participate in community outreach initiatives to increase asthma/allergy awareness and will receive leadership training on clinic management.

Attributes: MD Preclinical Elective

IM 0301 - Internal Medicine Clerkship
Credit(s): 6-12 Credits (Repeatable for credit)
This challenging seven-week experience will enable you to utilize basic science knowledge and physical diagnosis skills introduced in the first and second years. In addition, you will be exposed to the process of developing a problem list, generating a differential diagnosis applicable to a problem, and devising appropriate diagnostic and therapeutic plans for patient care. Regardless of the field you eventually choose for your medical career, a sound foundation in Internal Medicine is essential. A surgeon, pediatrician, radiologist or obstetrician cannot excel without a clear understanding of the principles of Internal Medicine. Often it is this understanding that separates superior physicians from others in their field.

IM 0302 - Internal Medicine Career Exploration
Credit(s): 1-2 Credits (Repeatable for credit)
This course may be used to register for Internal Medicine career exploration. The location of the experience may be at a SLU SOM affiliate or at another health care institution.

IM 0305 - Internal Medicine Career Exploration - Allergy, Asthma & Immunology Institute of St. Louis, Inc.
Credit(s): 1-4 Credits (Repeatable for credit)
This course may be used to register for Internal Medicine career exploration. The location of the experience may be at a SLU SOM affiliate or at another health care institution.

IM 0307 - Internal Medicine - Geriatric Medicine at SLU Hospital and Clinics
Credit(s): 1-4 Credits (Repeatable for credit)
This course may be used to register for Medical Education career exploration. The location of the experience may be at a SLU SOM affiliate or at another health care institution. At Saint Louis University Hospital, the student may follow Pulmonary Consult Services or join the MICU staff, or experience both services.

IM 0310 - St. Anthony’s at Arnold Family Healthcare
Credit(s): 1-4 Credits (Repeatable for credit)
This course may be used to register for Medical Education career exploration. The location of the experience may be at a SLU SOM affiliate or at another health care institution.

IM 0311 - Internal Medicine Career Exploration - Cardiology@SLUH
Credit(s): 1-4 Credits (Repeatable for credit)
This elective will permit M3 students to mostly observe and sometimes participate - where possible, where encouraged by fellows, and where the student feels comfortable - with the cardiology patient care services in SLU hospital. Students will be introduced to general cardiovascular medicine with the cardiology consult services. The student in the elective will be encouraged to observe patients cared for in the cardiac catheterization, nuclear cardiology, electrocardiographic, echocardiographic, or electrophysiology laboratories at St. Louis University Hospital. This is primarily an observational shadowing experience. Students will follow and observe cardiology fellows. Students in this elective will not be expected to manage the care for patients.

IM 0401 - Sleep Medicine
Credit(s): 2-4 Credits
This elective serves as an overview of sleep medicine. Sleep disorders are very common and can lead to serious health consequences if left untreated. Although these disorders are commonly encountered in clinical practice, very little time is dedicated to sleep medicine in the traditional medical school curriculum. There has been an explosion in this multidisciplinary field, which is now a 1 year ACGME approved fellowship. Faculty are from the departments of internal medicine, neurology, psychiatry, pediatrics, and psychology. While spending time in our new state of the art Sleep Disorders Center (adults) and Pediatric Sleep and Research Center (children), students.

Attributes: MD Direct Patient Care Elect

IM 0406 - Medical Intensive Care Unit
Credit(s): 2-12 Credits
The objective of the course is to provide clinical experience in the care of the critically ill. Active participation in patient management is emphasized. Cardiac emergencies constitute approximately half of the patient population in the Medical Intensive Care Unit; the other half is made up of critically ill patients in various medical subspecialties. The Intensive Care Unit has full hemodynamic and rhythm monitoring capability.

Attributes: MD Direct Patient Care Elect

IM 0407 - Allergy and Immunology
Credit(s): 2-12 Credits
The elective gives the student broad exposure to allergic and immunologic diseases such as asthma, rhinitis, sinusitis, anaphylaxis, food and drug reactions, allergic skin conditions and non-HIV immune deficiencies. These disorders include some of the most common problems encountered in primary internal medicine, pediatrics and family medicine. The standard rotation includes weekly attendance at 8 allergy & immunology clinics held at both Drummond Hall (primarily adult patients) and at Cardinal Glennon. In discussion with the Elective Director and/or Chief Allergy and Immunology Fellow (contact through Kiana Wilder or Emily Bishop), clinic assignments may be modified to include greater or lesser exposure to pediatric clinics.

Attributes: MD Direct Patient Care Elect
IM 0409 - Cardiovascular Disease
Credit(s): 2-12 Credits
This cardiovascular medicine elective is designed to provide the student with an interesting and broad-based educational experience in general cardiovascular medicine via time spent with the inpatient consultation service as well as by observing patients cared for in the cardiac catheterization, nuclear cardiology, electrocardiographic, echocardiographic and electrophysiology laboratories at St. Louis University Hospital. Typical day is 8:00 AM to 5:00 PM. No call involved.
Attributes: MD Direct Patient Care Elect

IM 0410 - Cardiology 3
Credit(s): 2-12 Credits
This rotation is focused on the inpatient care of cardiac patients. The students will round on the inpatient cardiology service with the attending cardiologist and cardiology fellows. The students are expected to see patients in the CCU and cardiology consults, evaluate the patients, and formulate a plan to be presented to the team. As part of the rotation, the students are expected to follow patients having procedures in the cardiac catheterization lab, EP lab, and echocardiography suite to gain exposure to these areas. There is an outpatient cardiology clinic one afternoon a week for patients with new cardiology issues. These patients will be staffed with the cardiology attending in the clinic. Lastly, the students will have a weekly session with EKG interpretation with a cardiology attending.
Attributes: MD Direct Patient Care Elect

IM 0413 - Clinical Endocrinology
Credit(s): 2-12 Credits
The student participates fully in the consultative service at Saint Louis University Hospital, in the preparation and presentation of clinical teaching conferences, and in the practice of endocrinology in an outpatient setting. Approximately half of the time is spent seeing outpatients under close supervision by full-time faculty at the Saint Louis University Hospital. Participants will learn normal and abnormal endocrine physiology and biochemistry, the diagnostic approach to endocrine problems, and the management of endocrine diseases.
Attributes: MD Direct Patient Care Elect

IM 0414 - Hematology and Medical Oncology
Credit(s): 2-12 Credits
The student will participate in both inpatient and outpatient consultations under the direction of the attending staff and fellows. The average number of inpatients followed at any one time is 7. The student will receive instruction in examining and interpreting bone marrow aspirates and biopsies along with peripheral blood smears.
Attributes: MD Direct Patient Care Elect

IM 0415 - Clinical Infectious Disease
Credit(s): 2-12 Credits
The Clinical Infectious Diseases elective offers an exciting opportunity for the student to participate in consultations on a variety of infectious disease problems including general medical or surgical patients, immune compromised hosts, trauma victims, and patients with hospital acquired infections. New consultations and follow-up visits of the patients assigned to the student are performed each morning. Afternoon rounds are made with the attending physician to whom patients are presented, problems are discussed on a didactic basis, and patients are seen at the bedside. Regular teaching sessions with the faculty of the division of Infectious Diseases are scheduled separately; these review a series of common infectious diseases topics and Microbiology Lab Rounds are incorporated throughout the rotation. Weekly conferences include Journal Club, Clinical Infectious Diseases Conference, Research Infectious Diseases Conference, and Internal Medicine Grand Rounds. The emphasis during the clinical elective is on the pathophysiology of infectious diseases and the host.
Attributes: MD Direct Patient Care Elect

IM 0417 - Nephrology
Credit(s): 2-12 Credits
Activities: The educational programs of the Division of Nephrology offer the student abundant opportunities to enrich their exposure to clinical nephrology and transplantation. Weekly didactic conferences are designed to cover a broad spectrum of clinical, basic physiologic, and pathophysiologic information relevant to the practice of nephrology and transplantation. Didactic conferences include renal physiology, pathophysiology and clinical nephrology seminars. In addition, the weekly journal club provides an opportunity to review state of the art information from leading medical journals. Medical student teaching conferences are a key component of the training program and are specifically designed to provide an in-depth review of clinical nephrology at the student level. Course materials include a comprehensive syllabus, access to an updated computer database in clinical nephrology, and numerous reference textbooks within the library of the Division of Nephrology. The purpose of this elective is to provide the student with a basic understanding of the following.
Attributes: MD Direct Patient Care Elect

IM 0419 - Pulmonary Disease
Credit(s): 2-12 Credits
The student will be an active participant of the Pulmonary Medicine consult team under the close direction of a subspecialty resident (fellow) in pulmonary/critical care medicine and consult attending physician. Students will have primary responsibility in the initial consultative work-up of assigned patients with pulmonary problems as well as continuing management, under the guidance of senior team members. The student will have the opportunity to interpret pulmonary function and cardiopulmonary stress test results, and to learn the principles of pulmonary rehabilitation in addition to administration of supplemental oxygen by various techniques. The student will also be involved in bronchoscopic and thoracentesis procedures as well as the management of chest tubes. The student takes part in review of all chest-imaging procedures performed on rounds. Weekly seminars or journal club provides didactic information sessions with pulmonary division members. The elective is supervised throughout by pulmonary/critical care medicine attending physicians and fellows rotating.
Attributes: MD Direct Patient Care Elect
IM 0420 - Clinical Rheumatology  
Credit(s): 2-12 Credits  
The goals of this elective are to learn the clinical aspects of rheumatology and immunology through seeing consults and attending adult children’s and arthritis clinics.  
Attributes: MD Direct Patient Care Elect

IM 0421 - Introduction to Outpatient Clinical Hepatology  
Credit(s): 2-12 Credits  
This course will introduce the student to clinical hepatology in an outpatient setting. The student will have an opportunity to observe patients with a wide variety of common esoteric diseases of the liver. The student will participate in patient evaluation, formulation of the differential diagnosis, laboratory evaluation and care of outpatients. The clinical experience will consist primarily of “one on one” discussions of patients seen in the outpatient setting. The student will work with GI faculty as well as GI subspecialty residents seeing patients with a variety of liver diseases.  
Attributes: MD Direct Patient Care Elect

IM 0422 - Consultative Internal Medicine  
Credit(s): 2-12 Credits  
This elective will give the student exposure to assessment of the surgical risk and perioperative care of medical problems. Students will work closely with a resident in Internal Medicine and a General Internal Medicine faculty member. The elective is based at Saint Louis University Hospital and the Doctors Office Building.  
Attributes: MD Direct Patient Care Elect

IM 0427 - Interpretation of the Electrocardiogram  
Credit(s): 2-12 Credits  
The student will learn the basics of electrocardiographic interpretation through review of lecture notes, studying of an EKG text, and reading of up to 250 electrocardiograms. Students will be taught a systematic approach to the electrocardiogram. Learning modules will focus on diagnosis of chamber enlargement, conduction disease, rhythm disturbances and ischemia/infarction. A pre-test and post-test will allow the student to evaluate their progress. Information concerning the course will be emailed to the registered students.  
Attributes: MD Non-Direct Patient Care Ele

IM 0428 - Ambulatory Medicine  
Credit(s): 2-12 Credits  
This clerkship involves extensive first contact with patients who are both well and ill, in a strictly ambulatory environment. Students will work under direct faculty supervision. Faculty will provide teaching on a one-on-one basis appropriate to the individual student’s needs.  

IM 0431 - Cardiac Auscultation-An Advanced Course  
Credit(s): 2-12 Credits  
Students will extend their knowledge and skills in cardiac auscultation through the use of a variety of teaching aids including readings, audio recordings, and bedside diagnosis. Computer simulations, recorded heart sounds and murmurs, and auscultation of a variety of abnormalities in real patients comprise the core course work.  
Attributes: MD Non-Direct Patient Care Ele

IM 0433 - Inpatient Gastroenterology and Hepatology  
Credit(s): 1-12 Credits  
Students will spend 3 weeks as a subintern on the General GI or Liver at Saint Louis University Hospital, working with a senior resident, two interns and a gastroenterology subspecialty resident (fellow) under the supervision of faculty from the Division of Gastroenterology and Hepatology.  
Attributes: MD Direct Patient Care Elect

IM 0435 - Non-Invasive Cardiology  
Credit(s): 2-12 Credits  
This course will be designed to familiarize the student with all modalities of outpatient cardiac testing and outpatient cardiac care. They will learn the indications and performance of cardiac stress testing and echocardiography. The student will gain experience interpreting resting and stress electrocardiograms. The student will learn the indications for diagnostic cardiac catheterization and percutaneous interventions in the cath lab. The student will spend one week in the cardiac stress testing lab, one week in the echocardiography lab, and one week in the cardiac catheterization lab. The student will be exposed to various outpatient cardiology clinics including general cardiology, heart failure, arrhythmia, and peripheral vascular disease clinics. Dr. Forsberg should be contacted on the first day of the rotation for didactic materials and schedule.  
Attributes: MD Direct Patient Care Elect

IM 0439 - Hospice and Palliative Medicine  
Credit(s): 2-12 Credits  
The Palliative Care Elective provides students with hands-on experience caring for patients with advanced and terminal illness.  
Attributes: MD Direct Patient Care Elect

IM 0441 - Preparing Clinical Cases for Presentation and Publication  
Credit(s): 2-12 Credits  
Participants will develop an oral presentation of the clinical case (with PowerPoint or other presentation software), create a poster of their clinical vignette with appropriate discussion section, write an abstract and clinical vignette of their case, submit the abstract for possible presentation to at least one regional or national meeting, and submit the vignette to at least on journal for consideration for publication.  
Attributes: MD Non-Direct Patient Care Ele

IM 0442 - Clinical Gastroenterology & Hepatology-St. Anthony’s  
Credit(s): 2-12 Credits  
Students will work with a busy private gastroenterology and hepatology practice to obtain a better understanding of the pathophysiology, diagnosis and treatment of various gastrointestinal disorders in both the inpatient and outpatient setting.  
Attributes: MD Direct Patient Care Elect

IM 0446 - Nephrology and Hypertension - St. Anthony’s Hospital  
Credit(s): 2-12 Credits (Repeatable for credit)  
Develop an understanding of acute and chronic renal failure and the treatment of hypertension.  
Attributes: MD Direct Patient Care Elect

IM 0450 - Intro to Patient Safety and Quality Improvement  
Credit(s): 2-12 Credits (Repeatable for credit)  
Students will have a chance to learn valuable lessons in patient safety and quality improvement through online courses via the Institute for Healthcare Improvement (IHI). Students will complete online lessons and then formulate and present a Quality Improvement project at a date near Match Day.  
Attributes: MD Non-Direct Patient Care Ele

IM 0451 - Required Ambulatory Medicine  
Credit(s): 3-12 Credits (Repeatable for credit)  
In this course, students will have a clinical experience that is representative of outpatient Internal Medicine. Students will be provided with the knowledge, skills, and attitudes required to manage common and high-yield outpatient Internal Medicine problems, and students will prepare to function as interns within the ambulatory setting.
IM 0452 - Advanced Art and Practice of Internal Medicine
Credit(s): 1-12 Credits
The Advanced Art and Practice of Medicine course is dedicated to developing the one aspect over which we have the most control, ourselves, the physicians. The course is two weeks devoted to making the best physicians with the best critical reasoning and diagnostic skills. It is intended to be an intense period of personal and professional development. The course will involve lecture, small-group discussion, independent reading and listening to podcasts, patient history taking and examination, simulation, and field trips to the St. Louis Art Museum for observation.
Attributes: MD Direct Patient Care Elect

IM 0453 - Geriatric Consultation Service
Credit(s): 2-8 Credits (Repeatable for credit)
The students will make geriatric consult rounds with the geriatric nurse practitioner and attending physician Monday through Friday. Supervision will be upper level residents, geriatric nurse practitioner and faculty members of the Division of Geriatric Medicine.
Attributes: MD Direct Patient Care Elect

IM 0454 - Point of Care Ultrasound for Internal Medicine
Credit(s): 1-4 Credits (Repeatable for credit)
The use of point-of-care ultrasound (POCUS) in clinical practice has helped physicians make diagnoses and clinical decisions in the Emergency Department and Intensive Care Units for some time. Because POCUS can improve diagnostic accuracy of common medical conditions encountered in general internal medicine, increasing number of internists are now utilizing POCUS to augment their physical examination. The value of POCUS has been recognized by major internal medicine societies such as the American College of Physicians (ACP), Society of Hospital Medicine and the Alliance for Academic Internal Medicine and we believe that POCUS will become standard of care in internal medicine over the next few years. This elective will provide internal medicine focused cardiac, respiratory and abdominal ultrasound examination knowledge to Saint Louis University School of Medicine students through self-learning online modules (ACP), assigned readings and didactic sessions. Students will also learn hands-on skills through mannequin simulation and standardized patient scanning.
Attributes: MD Direct Patient Care Elect

IM 0455 - Advanced Physical Diagnosis and Basic Procedural Skills
Credit(s): 1-4 Credits (Repeatable for credit)
This 2-week course has been designed to allow Year 4 students an opportunity to revisit and refine physical examination skills in preparation for residency. Parts of the exam that students often find challenging are emphasized. In addition, students have an opportunity to study basic medical procedures, procedural skills, and interpretation of fluid samples.
Attributes: MD Non-Direct Patient Care Ele

IM 0456 - Medical Nutrition - Past and Present
Credit(s): 4 Credits
This course combines medical history with clinically applicable knowledge about common nutritional and dietary problems in pediatrics, adult medicine (including geriatrics), and the surgical fields. It will involve daily pre-class reading, in-class discussion, lectures, case-based learning, and student-directed research presentation components. There will be 2 hours of classroom activities per day, 5 days a week, for 4 weeks. This is a curriculum developed by faculty at UPMC.
Attributes: MD Non-Direct Patient Care Ele

IM 0499 - Internal Medicine Student Chief
Credit(s): 1-12 Credits
Students selected to take this elective will serve as "Student Chiefs" at the beginning of the required clerkships. Week 1: The first week of the elective overlaps with the required, one-week orientation for students beginning their clerkships. During this week you would receive instruction in how to teach and provide feedback in the clinical setting. You will also be expected to help with general third year orientation week. Weeks 2-3: The following two weeks, you will help the new third-year students make the transition from classroom to clinic. The clerkship director and the education coordinator for the clerkship will provide you with guidance in this area. For example, you may be asked to observe and provide feedback when students perform histories and physical exams, to provide guidance on written and oral case presentations, and other clerkship tasks. In general, your job is to help facilitate each student's successful entry into.
Attributes: MD Non-Direct Patient Care Ele

IM 0501 - Acting Internship: General Internal Medicine - St. Louis University Hospital
Credit(s): 1-4 Credits (Repeatable for credit)
Each student will admit approximately twenty patients-two patients on each long-call shift (every fifth night) and one patient on each short-call day (two days out of five) and follow each patient until they are transferred to another service or discharged from the hospital. Students will write all admission and subsequent orders, write a daily progress note, perform all needed procedures, and participate in discharge planning activities for their patients. Students will attend all work and teaching rounds, as well as all teaching conferences while on service. In all of the above areas the students will be under the supervision of an upper-level resident and attending physician.
The purpose of the Medicine Sub-internship at the VA Medical Center is to develop proficiency in the care of hospitalized patients on an internal medicine ward. Sub-interns will have similar responsibilities as interns, with appropriate supervision by the faculty and senior resident physicians. They have the same on-call/admitting schedules as the interns and participate in the same teaching conferences, but they do not take overnight call. Sub-interns should admit at least two patients per call day, and they should be the first to evaluate the patients admitted to the medical service, except in emergencies. A diagnostic and therapeutic approach to evaluating each patient is planned in consultation with the resident. Sub-interns assume primary responsibility for the daily care of their patients, including evaluating each patient daily, presenting on morning rounds entering orders (discussed with and co-signed by the resident), interpreting results of diagnostic studies, calling consults, collaborating with nurses and social work, organizing post-discharge care, and communicating with patients and their families. Sub-interns also attend weekly small group learning sessions during which they discuss, diagnose, and treat patients using example cases. By the end of the rotation, sub-interns will be able to independently: * Synthesize and succinctly present a patient’s history, exam, diagnostic data, assessment, and plan of care. * Support differential diagnoses and proposed care plans with clinical reasoning and evidence. * Demonstrate how to correctly order diagnostic tests and medications that further patient care. * Analyze complex patient cases during interactive small group learning sessions. * Integrate feedback from patients, residents, and attending physicians, and formulate a plan for ongoing improvement as a clinician. Student time distribution: Inpatient 80%, Conferences/Lectures 20%; Subspecialty Care 100% Patients seen weekly: 6-8 Major teaching responsibility: Attending physician, chief resident, and resident On call/ weekend responsibility: On call every fourth day.

Each student will admit approximately twenty patients-two patients on each long-call night (every fifth night) and one patient on each short-call day (two days out of five) and follow each patient until they are transferred to another service or discharged from the hospital. Students will write all admission and subsequent orders, write a daily progress note, perform all needed procedures, and participate in discharge planning activities for their patients. Students will attend all work and teaching rounds, as well as all teaching conferences while on service. In all of the above areas the students will be under the supervision of an upper-level resident and attending physician. Supervision: Upper level residents and faculty members of the Division of Geriatric Medicine of the Department of Internal Medicine of the Saint Louis University School of Medicine will supervise the subinterns.

Each student will admit approximately twenty patients-two patients on each long-call night (every fifth night) and one patient on each short-call day (two days out of five) and follow each patient until they are transferred to another service or discharged from the hospital. Students will write all admission and subsequent orders, write a daily progress note, perform all needed procedures, and participate in discharge planning activities for their patients. Students will attend all work and teaching rounds, as well as all teaching conferences while on service. In all of the above areas the students will be under the supervision of an upper-level resident and attending physician. Supervision: Upper level residents and faculty members of the Division of Geriatric Medicine of the Department of Internal Medicine of the Saint Louis University School of Medicine will supervise the subinterns.

Each student will admit approximately twenty patients-two patients on each long-call night (every fifth night) and one patient on each short-call day (two days out of five) and follow each patient until they are transferred to another service or discharged from the hospital. Students will write all admission and subsequent orders, write a daily progress note, perform all needed procedures, and participate in discharge planning activities for their patients. Students will attend all work and teaching rounds, as well as all teaching conferences while on service. In all of the above areas the students will be under the supervision of an upper-level resident and attending physician. Supervision: Upper level residents and faculty members of the Division of Geriatric Medicine of the Department of Internal Medicine of the Saint Louis University School of Medicine will supervise the subinterns.
IM 0512 - Acting Internship: Critical Care Medicine at Mercy Medical Center
Credit(s): 1-4 Credits (Repeatable for credit)
The medical student will be assigned to a team consisting of an Intensivist, Critical Care Fellow and a resident. This team will cover 12-15 patients in the Medical-Surgical ICU's. The student will be assigned primary responsibility for 1-3 patients under the supervision of the Critical Care Fellow. Teaching rounds occur each morning and the team attends Critical Care noon conference each day. Afternoons are spent on patient care and procedures. Call is every 4th night and the student will stay until 8PM on call nights with the team. Students will receive in-depth exposure to the diagnosis and management of complex, life-threatening problems in all major organ systems that occur in critical medical illnesses.

IM 0901 - Internal Medicine Direct Patient Care
Credit(s): 1-12 Credits (Repeatable for credit)
This course may be used to register for an Internal Medicine elective. The elective experience must fulfill the requirements for a direct-patient care elective. The location of the experience may be at a SLU SOM affiliate or at another health care institution.

IM 0903 - Internal Medicine Research
Credit(s): 1-12 Credits (Repeatable for credit)
This course may be used to register for an Internal Medicine elective. The elective experience must fulfill the requirements for a research elective. The location of the experience may be at a SLU SOM affiliate or at another health care institution.