

# IMED - INTERNAL MEDICINE

## IMED 800 Internal Medicine Clerkship

**Credits 1.25 to 15. 1.25 to 15 Other Hours.** 25 to 15. General outpatient and inpatient internal medicine, with patient work-up and management under supervision of the clinical faculty; participation in clinical rounds, conferences, seminars, and diagnostic evaluations. **Prerequisite:** Satisfactory completion of year two of the medical curriculum.

## IMED 803 Clinical Cardiology and Electrocardiography

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Introduction to the clinical management of hospitalized cardiovascular patients; strengthen abilities in cardiovascular history and physical examination and introduction and/or reinforcement of skills in electrocardiographic interpretations; introduction to certain non-invasive cardiac techniques including echocardiography, phonocardiography, and nuclear cardiology; opportunity to experience a balance of inpatient and outpatient exposure according to preference with expectation to make rounds daily with the Cardiology Service (Staff and Interns); expectation to work up approximately one patient daily and participation in the care of that patient to the point of discharge; participation with the Staff assigned to EKG interpretation in the daily readings of EKG's; opportunity to observe the performance and interpretation of non-invasive studies such as echocardiography, nuclear cardiology, and systolic time intervals.

## IMED 804 Dermatology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Broad overview of the clinical presentation and management of common dermatologic conditions seen in a clinic; opportunity for self-study; accurately describe skin lesions; diagnosis and treatment of common skin lesions, including papulosquamous diseases, vesicubullous diseases, benign and malignant growths of the skin, drug reactions, sexually transmitted diseases of the skin, acne, bacterial, fungal, and viral infections of the skin, urticaria, skin signs of systemic diseases and recognition of life-threatening skin diseases; appropriately perform and utilize diagnostic and surgical techniques such as microscopic examination of cutaneous preparations, biopsies, curettage, cryosurgery, and electrosurgery.

## IMED 805 Allergy and Clinical Immunology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Identification, diagnosis and treatment of common allergic and immunologic disorders such as rhinosinusitis, asthma, atopic dermatitis, urticarial, angioedema, immunodeficiency states and insect, food, and drug allergy; review allergic/allergic dermatology conditions and immunological deficiencies seen in private practice; faculty to provide regular feedback on their patient presentations; development of an understanding of the indications and methods of allergy skin testing, office spirometry, and laboratory tests used in diagnosing allergic and immunologic diseases; development of a working knowledge of basic immunology concepts as they pertain to clinical care.

## IMED 806 Clinical Infectious Disease

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Logical approach to the diagnosis and management of patients suspected of having an infectious disease through direct participation in the consultative infectious diseases service of St. Joseph Hospital and College Station Medical Center as well as participation in the management of outpatient consults and outpatient primary care patient's clinic visits; use of ancillary radiological technology for the diagnosis and management of infectious diseases; establish a basic understanding of microbiological techniques as well as other laboratory techniques including pathology surgical specimens, in the diagnosis of infectious diseases through rounds in the clinical pathology laboratory of both hospitals; principles of antimicrobial therapy, including antibacterial, antifungal and antiviral, in the treatment of infectious diseases; principles regarding the interaction between consulting and consultant physicians including proper communication, hierarchy of physicians in the decision-making process, confidentiality issues, and conflict resolution.

## IMED 807 Gastroenterology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Daily experience with a practicing gastroenterologist including office practice, inpatient rounds, and procedures; includes education in basic gastroenterology as well as experiencing the daily activities of a busy gastroenterology practice; introduction to subspecialty consulting, with special focus on working cooperatively with primary care physicians and other subspecialists for the benefit of the patient; hours are typically Monday-Friday 0700-1800; no night or weekend call.

## IMED 808 Physical Medicine and Rehabilitation

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Familiarization with the specialty of Physical Medicine and Rehabilitation as a possible career specialty; familiarization with an inpatient and outpatient PM&R program and the treatment of complex neuromuscular and musculoskeletal problems; familiarization with a concept of interdisciplinary teams, and understanding the appropriate and cost effective use of allied health therapies; familiarization with the allied therapies including physical, occupational, speech and recreational therapy, prosthetics and orthotics; fourth year medical students.

## IMED 810 Neurology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Broad exposure to outpatient clinical neurology; primarily targeted to fourth year students considering a career in neurology, but may also be appropriate for students in third year with an interest in neurology; development of refinements in neurologic examination skills; clinical management of neurologic disease.

## IMED 814 Hematology and Oncology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Participating as a team member in the provision of comprehensive subspecialty consultations for inpatients and outpatients with a wide variety of blood and neoplastic diseases; demonstration of knowledge regarding established biomedical and clinical sciences and the application of this knowledge to patient care; no examinations; evaluation based on achievement of the stated objectives as assessed by the attending physician to whom the student is assigned and the program director; similarly, evaluation of the elective by the student.

## IMED 819 Bone Marrow Transplant

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** The BUMC Marrow Transplant Program is one of the largest transplant groups in the country offering a rich experience in the field; exposure to a broad clinical overview of hematologic malignancy with an emphasis on bone marrow transplant; rounds with the transplant team in the hospital and in the clinic; focus on the indications for transplant, complications of self and donor transplantation, and long term impact on Immunity in terms of host defense, auto/alloimmunity (graft versus host disease), and in terms of preventing or treating relapse; best for those interested in medical oncology and hematologic malignancies; 2- to 4-week rotations suggested but there would be flexibility in the time frame; principally a clinical rotation with a strong emphasis on the care of the marrow transplant patient.

## IMED 820 Cardiology Imaging

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Instruction in the common and appropriate indications for echocardiography, cardiac/coronary CT angiography, and what each of these tests can provide for the evaluation of cardiac disorders.

## IMED 823 HIV Medicine

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Under the direct supervision of an attending physician on staff at Baylor University Medical Center at Dallas; participation, through direct observation and through independent history-taking and physical examination, in the care of patients living with HIV/AIDS that are chronically managed by the attending physicians.

## IMED 824 Neurology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Mandatory 2 weeks of inpatient neurology care and an additional elective 2 weeks of outpatient neurology in various clinics (including child neurology); rotation to learn basic principles of Neurology that are necessary to the non-neurologist, while demonstrating conscientious and responsible behaviors pertaining to patient care; 2- to 4-week elective in clinical neurology.

## IMED 825 Palliative Medicine and End-of-Life Care

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Basic information on interdisciplinary approach to palliative and end-of-life care; skills needed to improve communication with patients with chronic or terminal diseases and appropriate methods of delivering bad news; basic information on pain assessment and management; demonstration on comprehensive nature of end-of-life care, the distinctive nature of its patient care model, and its significant place in today's healthcare arena.

## IMED 827 Traditional Pulmonary Medicine

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Exposure to a pulmonary consultative experience; rotation with pulmonary consultations at Baylor University Medical Center and in a doctor's private office; exposure to patients with COPD, dyspnea, interstitial lung disease, pleural effusions, thromboembolic disease, and lung nodules, masses, and cancer; participation in bronchoscopies, thoracentesis, and pulmonary function testing; objectives of the rotation include interpretation of pulmonary function testing, interpretation of chest x-rays and CT scans, and appropriately address and understand the evaluation and management of dyspnea; airway diseases such as asthma, COPD, and bronchitis; pleural effusions; lung masses; thromboembolic diseases; and interstitial diseases (pulmonary fibrosis); some in-patient consultations in the surgical intensive care units.

## IMED 828 Advanced Lung Disease I

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Exposure to patients with advanced and unusual lung diseases; interpretation of chest x-rays and the different types of CT scans of the chest; better understanding of pulmonary physiology; interpretation of pulmonary function testing; attend clinics, see, and treat patients with COPD, interstitial lung diseases, pulmonary hypertension, cystic fibrosis, and those who have undergone or are being referred for lung transplantation; participation in bronchoscopies; during this part of the rotation, see patients both in the clinics and in the hospital; second half of the rotation spent in the Martha Foster Lung Center; rotation will focus on treatment of patients with asthma and COPD and on pulmonary rehabilitation.

## IMED 829 Advanced Lung Disease II

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Exposure to patients with advanced and unusual lung diseases; interpretation of chest x-rays and the different types of CT scans of the chest; better understanding of pulmonary physiology; interpretation of pulmonary function testing, attend clinics with Dr Rosenblatt, see, and treat patients with COPD, interstitial lung diseases, pulmonary hypertension, cystic fibrosis, and those who have undergone or are being referred for lung transplantation; participation in bronchoscopies; during this part of the rotation, will see patients both in the clinics and in the hospital; objectives of the rotation include teaching how to interpret and appropriately order of chest x-rays; teaching the different types of CT scans and how to interpret them; teaching how to interpret pulmonary function testing including arterial blood gases, spirometry, plethysmography, and diffusion; learning how to diagnose and treat the various interstitial lung diseases; learning about the presentation and management of adult patients with Cystic Fibrosis; learning the indications and evaluation of patients referred for lung transplantation; learning about the post operative and long term follow-up of lung transplant patients which will include a focus on infectious disease and immunosuppressive medications; learning about pulmonary hypertension; and learning about the evaluation and treatment of patients with asthma, COPD, and bronchiectasis.

## IMED 830 Rheumatology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Identification, diagnosis, and treatment of common rheumatologic disorders; rheumatoid arthritis, musculoskeletal exam techniques, lupus, crystalline arthropathies, spondyloarthropathies, vasculitis, osteoarthritis, soft tissue disorders and myopathies; understanding the risks and benefits of drugs used to treat rheumatologic diseases; familiarization with the indications and methods of joint aspiration and injection, soft tissue injections, and serologic tests for rheumatologic disorders; basic concepts in immunology and pharmacology as they pertain to clinical care.

## IMED 831 Medical Intensive Care Unit

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Provide guidance through a systematic approach to the critically ill patient and impart an appreciation for the dynamic multi-organ system interrelationships in critical care; evidence based medical approach to the frequently encountered medical illnesses requiring critical care intervention; fostering of ethical compass as it relates to complex medical dilemmas involving life and death issues.

## IMED 833 Clinical Endocrinology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Includes all levels of care (1-3 degree), primary and secondary patients along with several outpatients per day with a variety of endocrine disease; introduction to endocrine evaluation based upon knowledge of clinical physiology and pharmacologic manipulation; familiarization with the management of diabetes, thyroid disease, osteoporosis and lipid disorders in patients.

## IMED 834 Clinical Gastroenterology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Daily experience with a practicing gastroenterologist including office practice, inpatient rounds, procedures and educational conferences; education in basic gastroenterology and insight into what a gastroenterology practice is like; includes the concept of being a subspecialist consultant and to work cooperatively with other subspecialists for the benefit of the patient; hours typically Monday-Friday starting at 0700 each day and finishing before 1800 each day; no night or weekend call; attend usual Internal Medicine noon conferences, a number of GI conferences weekly and interact with residents and fellows on the service.

## IMED 840 Clinical Endocrinology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Broad clinical experience in endocrinology and endocrine neoplasias; teach clinical endocrinology concepts during clinic, inpatient rounds, and regularly scheduled didactic, multidisciplinary and research conferences; and provide regular feedback to student on patient presentations.

## IMED 841 Clinical Dermatology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Offered at MD Anderson; broad clinical experience in dermatology; teach clinical dermatology concepts in the outpatient dermatology clinic and regularly scheduled didactic conferences; and provide exposure to dermatopathology and dermatologic surgery.

## IMED 842 Immunology Research Elementary Mechanisms of Inflammation

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Stimulating educational environment with opportunities to conduct research based on the scientific method; supervised performance of basic laboratory techniques; regular meetings to discuss and critique the progress of research project; encourage presentation at scientific meetings.

## IMED 843 Cardiology Outpatient

**Credits 0 to 10. 0 to 10 Other Hours.** Exposure to common Cardiology conditions such as coronary artery disease, valvular heart disease, arrhythmias, congestive heart failure, hypertension, and congenital heart disease; learning about various diagnostic modalities in the evaluation of various cardiac conditions such as stress testing, coronary angiography, and other imaging modalities such as echocardiography, CT angiography and cardiac MRI are also part of the experience. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Doctor of Medicine classification.

## IMED 844 Cardiology Inpatient

**Credits 0 to 10. 0 to 10 Other Hours.** Common and appropriate indications for echocardiography, nuclear cardiology, cardiac MRI, and cardiac/coronary CT angiography, and what each of these tests can provide to the evaluation of cardiac disorders. **Prerequisite:** Doctor of medicine classification.

## IMED 845 Gastroenterology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Offered at MD Anderson; unique opportunity for medical students to see patients referred with specific issues related to gastroenterology and gastrointestinal cancer; working one-on-one with faculty in the outpatient clinic, hospital and endoscopy unit will provide close interaction between students, fellows and staff in an environment that nurtures teaching; provide defined educational experiences that will impact on providing insightful consultation for a very wide range of gastrointestinal problems, the effective management and appropriate use of endoscopic procedures; and provide students with the opportunity to evaluate and manage outpatients under close faculty supervision; perform consultative evaluations on a limited number of inpatients under close faculty supervision; and observe both diagnostic and therapeutic endoscopic procedures such as used for tumor ablation, control of bleeding and screen for colon cancer.

## IMED 846 Nephrology Consult Service

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Offered at MD Anderson; broad clinical experience in nephrology; teach clinical nephrology concepts in the hospital, clinic, and regularly scheduled didactic conferences; and give regular feedback to students on their patient presentations.

## IMED 847 Pulmonary Medicine

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Offered at MD Anderson; provide fourth year medical students the opportunity to be a part of the inpatient consult service for pulmonary issues and complications related to cancer and cancer-related treatment, under close supervision by a faculty member; develop skills in differential diagnosis, as well as guide them in identifying appropriate diagnostic and therapeutic studies; enhance physical exam skills, especially related to the pulmonary system; encourage evaluation and interpretation of pulmonary function tests, chest radiograph and computed tomography of the lungs; and allow observation of common pulmonary procedures, including thoracentesis and bronchoscopy.

## IMED 848 Acting Internship/Hospitalist General Internal Medicine

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Offered at MD Anderson; inpatient management of common medical problems; management strategies for patients requiring urgent care; improve skills in developing work-up and management strategies for common medical diagnosis; and opportunities to experience the role of an inpatient GIM consultant to a diverse group of specialists.

## IMED 850 Ambulatory General Medicine Elective

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Offered at MD Anderson; ambulatory management of common medical problems; work-up strategies to patients presenting with suspicion of cancer; risk stratification strategies for cancer patients undergoing surgical procedures; management strategies to cancer survivors; improve skills in developing work-up and management strategies for common medical diagnosis in ambulatory setting; and opportunities to experience the role of an outpatient GIM consultant to a diverse group of specialists.

## IMED 856 Hematology and Medical Oncology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Elective designed to give understanding and educational experience in the evaluation and clinical management of patients with hematologic and non-hematologic malignancies; housing not provided; no night call.

## IMED 857 Hematology and Medical Oncology – Outpatient

**Credits 0 to 10. 0 to 10 Other Hours.** Educational experience in the evaluation and clinical management of patients with hematologic and non-hematologic malignancies. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Doctor of Medicine classification.

## IMED 860 Adult and Pediatric Allergy and Immunology Outpatient Clinic

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Elective in allergy and immunology providing experience in managing common adult and pediatric allergy and immunology ambulatory illness; introduction to uncommon allergic diseases and illustration of broader aspects of adult and pediatric care, as it relates to the care of patients with chronic allergic conditions; encourages the development of skills in carefully evaluating patients with allergic or immunological problems and introduces them to an ambulatory health care system dealing with patients who have chronic illnesses and require chronic management; 4-week elective.

## IMED 863 Community Based Geriatric Medicine

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Awareness of the biopsychosocial factors which characterize the uniqueness of the elderly, understand normal aging processes and differentiate this from disease; improve capacity for effective assessment and treatment of the ill elderly and recognize the unique aspects of drug therapy and drug interaction in the elderly; exposure to the multidisciplinary team concept to enhance effectiveness in working with therapists, social workers, dieticians, nurses, nurse practitioners, etc; examination of negative attitudes toward aging and the aged and the implications of these attitudes for medical care; provides information about proper methods for preventing unnecessary illness in the elderly; exposure to extended care facilities, community home services, and alternatives to institutional care which are available to elderly citizens.

## IMED 865 Gastroenterology and Hepatology

**Credits 0 to 10. 0 to 10 Other Hours.** Diagnostic procedures relating to gastrointestinal disorders with emphasis on indications and interpretations, limitations, and risks; focus on the management of commonly encountered gastrointestinal disorders. **Prerequisites:** Doctor of Medicine classification.

## IMED 866 Clinical Nutrition

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Introduction to clinical malnutrition in the adult patient with emphasis on the clinical syndromes of kwashiorkor and marasmus; understanding of alterations in nutrition which occur as a result of adult illnesses including the clinical recognition and management of resulting disorders of nutrition; familiarity of the proper evaluation and utilization of specific lab tests in the diagnosis of malnutrition in the hospitalized adult patient; familiarity of the indications and usage of enteral nutrition in the support of the hospitalized adult patient; familiarity of the utilization of peripheral protein sparing alimentation in the adult hospitalized patient; familiarity of proper utilization of central alimentation (Total Parenteral Nutrition) in the hospitalized adult patient.

## IMED 867 Pulmonary and Critical Care Medicine

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Guidance through a systematic approach to the critically ill patient and impart an appreciation of the dynamic multi-organ system interrelationships in critical care; an evidence-based medical approach to the frequently encountered medical illnesses requiring critical care intervention; appropriate approach and initial diagnostic evaluation of the more common pulmonary diseases encountered in internal medicine; fostering ethical compass as it relates to complex medical ethical dilemmas and life and death issues.

## IMED 869 Hematology

**Credits 0 to 10. 0 to 10 Other Hours.** Exposure to a spectrum of hematologic problems seen in a primary care practice and reinforce basic concepts of pathophysiology, clinical evaluation, and management of common hematologic problems. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Doctor of Medicine classification.

## IMED 879 ICU Clinical Cardiology and Electrocardiography (VA)

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Improvement of skills in obtaining a pertinent cardiovascular history and performing physical examination including identification of cardiac murmurs by auscultation; increasing knowledge of pathophysiology of cardiac illnesses; improvement of knowledge regarding management of cardiac problems, congestive heart failure, angina pectoris, acute coronary syndrome, cardiac arrhythmias and emergencies; improvement of skills in identification of EKG abnormalities and arrhythmias; introduction to non-invasive tests like cardiac stress tests, echocardiograms; introduction to nuclear cardiology; introduction to hemodynamics, cardiac outpatients in ICU; introduction to evidence based approach to medicine practiced in care of cardiac patients.

## IMED 882 Clinical Endocrinology with Primary Focus on Diabetes (VA)

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Disease and pathophysiology of Diabetes Type, 1 DM and Type 2 DM; recognition of disease and its complications and treatments; other endocrine related disorders, including but not limited to thyroid, pituitary, adrenal, parathyroid, other hormones, electrolyte and water disturbances.



## IMED 884 Academic Medicine Clinic (VA)

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** General principles of primary care in a prepaid setting, with emphasis on preventive medicine and outpatient diagnosis and therapy; out-patient management of some of the most common problems in adult medicine; and broad range of activity in an outpatient clinic, operating under the managed care paradigm, so as to help with a career choice.

## IMED 889 Clinical Nephrology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Reinforcement of core material from the Nephrology section of the Introduction to Medicine course; clinical correlation and patient management experience in renal disease; familiarization with laboratory investigative procedures utilized in the diagnosis of renal disease; and strengthen the students' basic history physical performance skills.

## IMED 890 Subinternship in Medical Oncology

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Basic principles of non-surgical acute hospital care; experience in the day-to-day management of severely ill hospitalized patients with malignant diseases at all stages, both as a primary care giver and as a consultant, biologic therapy, immunotherapy and supportive care; initiation and proper use of clinical research protocols in medical oncology; basic principles of symptom control in patients with all stages of malignant disease; basic principles of a multidisciplinary approach to patients with cancer, including interaction with other medical specialists and support services; and strengthen the student's ability to interact with patients and their families at a time of health crisis.

## IMED 891 Pulmonary and Sleep Medicine

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** This elective will provide the student with exposure to the diagnosis and treatment of a wide variety of pulmonary diseases under the guidance of the attending staff and fellows. Familiarize the student with the various pulmonary function tests used in the clinical practice of pulmonary medicine. Introduce the student to various special diagnostic procedures used in pulmonary medicine and sleep disorders medicine. Reinforce the pathophysiologic principles learned in the classroom and correlate them with special clinical problems. Introduce the student to and acquaint him/her with common sleep disorders and their diagnosis and treatment. Regularly review radiographic findings of patients seen and correlate them clinically.

## IMED 893 Research in Medicine

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Research is a high educational value in the development of physicians; opportunity to explore research processes, planning and execution particularly within medicine; may or may not be involved in a research project at the commencement of the elective; assistance can be provided with an ongoing research project to reach project goals; and provide those interested in starting a research project the fundamentals to begin, carryout, and potentially complete a research project.

## IMED 895 Intensive Care Unit

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Management of acute cardiac emergencies with emphasis on coronary care; reinforcement of skills in bedside evaluation and history taking of angina and clinical presentation of myocardial infarctions; familiarization with current techniques in management of acute myocardial infarction including the treatment of arrhythmias and congestive heart failure in the acute infarct setting; introduction to post myocardial infarction rehabilitation and education practices; and introduction to the care of postop CA bypass patients.

## IMED 896 Internal Medicine Acting Internship

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Provide fourth year medical students with the opportunity to function as an "acting intern" in Internal Medicine on a general Medicine service with supervision by senior residents and faculty; help prepare medical students for responsibilities and skills necessary during internship; provide an opportunity for medical students to get a better experience in Internal Medicine if they are considering Internal Medicine or primary care as a possible career.

## IMED 897 Critical Care

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Offered at Austin Pulmonary Consultants; elective impresses upon the need for a comprehensive problem oriented approach to the critically ill patient, and strives to help understand and manage complex medical problems of the critically ill patient; logical evidence-based approach to the care of the critically ill patient and provides an in-depth exposure to a wide range of medical diseases encountered in Internal Medicine; assist the fourth year student in learning basic knowledge and abilities of ICU procedures.

## IMED 898 Ambulatory General Internal Medicine

**Credits 1.25 to 10. 1.25 to 10 Other Hours.** Strengthens and refines skill set focusing on taking an accurate patient history, performing physical exams, and developing a differential diagnosis; development of a plan of care including ordering diagnostic imaging and laboratory as well as providing insight into the therapeutic decision making; responsibility for patient management under faculty supervision; perform appropriate diagnostic procedures under supervision on their patients when indicated.

## IMED 912 Malignant Hematology

**Credits 0 to 10. 0 Lecture Hours. 0 to 10 Other Hours.** Broad clinical experience in hematologic malignancies, hands on, independent experience. Must be taken on a satisfactory/unsatisfactory basis.  
**Prerequisite:** Doctor of Medicine classification.

## IMED 913 Oncology

**Credits 0 to 10. 0 Lecture Hours. 0 to 10 Other Hours.** Broad clinical experience in oncology; hands on, independent experience in busy clinical setting. Must be taken on a satisfactory/unsatisfactory basis.  
**Prerequisite:** Doctor of Medicine classification.

## IMED 914 Ophthalmology

**Credits 0 to 10. 0 Lecture Hours. 0 to 10 Other Hours.** Broad clinical experience in clinical ophthalmology. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisite:** Doctor of Medicine classification.

## IMED 919 Adult Allergy and Immunology

**Credits 1 to 15. 1 to 15 Other Hours.** Two to four week elective in allergy and immunology; managing common adult and pediatric allergy and immunology ambulatory illness; introduction to uncommon allergic diseases and broader aspects of adult and pediatric care as it relates to the care of patients with chronic allergic conditions; encourages development of skills in carefully evaluation patients with allergic or immunological problems; introduction to an ambulatory health care system dealing with patients who have chronic illnesses and require chronic management. **Prerequisite:** Admission to medical school.

## IMED 920 Transplant Hepatology

**Credits 0 to 10. 0 to 10 Other Hours.** Introduction to diagnostic procedures commonly performed in management of patients with liver disease. **Prerequisites:** Doctor of medicine classification.

## IMED 934 Sleep Medicine

**Credits 0 to 10. 0 to 10 Other Hours.** Exposure to diagnosis and treatment of sleep disorders; various aspects of sleep history and physical examination; participation in clinical practice and diagnostic procedures pertaining to sleep disorders medicine. **Prerequisites:** Doctor of Medicine classification.

## IMED 940 Ambulatory Cardiology

**Credits 0 to 10. 0 to 10 Other Hours.** Development of understanding of the diagnosis and management of outpatient cardiac conditions. **Prerequisites:** Doctor of Medicine classification.

## IMED 941 Congestive Heart Failure

**Credits 0 to 10. 0 to 10 Other Hours.** Broad clinical experience in general cardiology, specifically congestive heart failure. **Prerequisites:** Doctor of medicine classification.

## IMED 942 Antimicrobial Stewardship

**Credits 1 to 15. 1 to 15 Other Hours.** Demonstration of the application of fundamental principles of pharmacology; hands on experience in areas of clinical antimicrobial therapeutics with an emphasis on inpatient antimicrobial stewardship, including appropriate prescribing, monitoring of clinical response and de-escalation; impact of antibiotic use on antimicrobial resistance and formulary management. **Prerequisites:** Completion of pre-clerkship or basic science curriculum.

## IMED 943 Infectious Disease in the Orthopedic Patient Population

**Credits 1 to 15. 1 to 15 Other Hours.** Experience in the diagnosis and treatment of musculoskeletal infections; participation in ambulatory and inpatient treatment of common and uncommon orthopedic infections; includes prosthetic joint infections, spinal fusion and scoliosis surgery infections, Iliizarov and other fixator infections and post-operative infections; familiarity with the use of antibiotics in treating orthopedic infections; care of and management of PICC lines and Hickman catheters used for administration of IV antibiotics at home. **Prerequisites:** Completion of Pre-clerkship or basic science curriculum; IMED 800, MFCM 800, MPED 800, MPSY 800, OBGY 800 and SURG 800.

## IMED 944 Hepatology Inpatient

**Credits 0 to 10. 0 to 10 Other Hours.** Broad clinical experience in inpatient hepatology. **Prerequisites:** Doctor of Medicine classification.

## IMED 947 Primary Care

**Credits 0 to 10. 0 to 10 Other Hours.** General principles of primary care in a prepaid setting; emphasis on preventive medicine, outpatient diagnosis and therapy; focus on outpatient management of common problems in adult medicine; exposure to a broad range of activities in an outpatient clinic, operating under the managed care paradigm. **Prerequisites:** Doctor of Medicine classification.

## IMED 948 Palliative Care Inpatient

**Credits 0 to 10. 0 to 10 Other Hours.** Exposure to the essential clinical and communication skills needed to assess and manage the physical, social, psychological, and spiritual needs of patients in hospice and palliative medicine settings. **Prerequisites:** Doctor of Medicine classification.

## IMED 956 Onco-Medicine

**Credits 0 to 10. 0 Lecture Hours. 0 to 10 Other Hours.** Caring for comorbidities in cancer patients and survivors; skills on diagnosing cancer, performing perioperative evaluation, caring for comorbidities and complications of cancer treatment. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisite:** Doctor of Medicine classification.

## IMED 957 Oncology Hospital Medicine

**Credits 0 to 10. 0 Lecture Hours. 0 to 10 Other Hours.** Caring for cancer patients who are newly diagnosed with cancer or experience complications related to cancer and cancer treatment; initial evaluation and daily management of hospitalized cancer patients; daily rounds with the team; case presentations to the attending physician; attendance of daily morning report with residents. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisite:** Doctor of Medicine classification.

## IMED 963 Neurology Outpatient

**Credits 0 to 10. 0 to 10 Other Hours.** Exposure to the principles and skills underlying the recognition and management of neurological diseases that a general practitioner is most likely to encounter in practice. **Prerequisites:** Doctor of Medicine classification.

## IMED 965 Neurology Inpatient

**Credits 0 to 10. 0 to 10 Other Hours.** Exposure to the principles and skills underlying the recognition and management of neurological diseases that a general practitioner is most likely to encounter in the inpatient clinical setting. **Prerequisites:** Doctor of Medicine classification.

## IMED 967 Developing Illness Script for COVID-19 - A Reflective Inquiry

**Credits 0 to 10. 0 to 10 Other Hours.** Development of a COVID-19 illness script and reason an action plan through awareness of rationality, critical thinking, metacognition, and embracing creativity, lateral thinking, and innovation. **Prerequisites:** Doctor of Medicine classification.

## IMED 972 Undersea and Hyperbaric Medicine

**Credits 0 to 10. 0 to 10 Other Hours.** Basic familiarity with Hyperbaric Oxygen Therapy (HBO2) and advanced wound care. **Prerequisites:** Doctor of Medicine classification.

## **IMED 985 Off Campus Student Initiated Elective**

**Credits 1.25 to 12. 1.25 to 12 Other Hours.** Formally described elective courses at another medical school or off-campus opportunities that are not formally approved electives; the School of Medicine requires that each of these electives be approved prior to the rotation.

## **IMED 989 Special Topics in...**

**Credits 0 to 10. 0 to 10 Lab Hours.** Selected topics in an identified area of internal medicine. May be repeated for credit. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Doctor of Medicine classification.

## **IMED 999 On Campus Student Initiated Elective**

**Credits 1.25 to 12. 1.25 to 12 Other Hours.** On-campus opportunity in the department of Internal Medicine in the School of Medicine that is not defined herein; experiences may include clinical research, basic science research, library research, other basic science activities, and other clinical activities; students interested in developing an elective of this type should contact the head of the appropriate department for additional details.