IMED - INTERNAL MEDICINE

IMED 800 Internal Medicine Clerkship
Credits 15. 15 Other Hours.
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 801 Hematology/Oncology
Credits 1.25 to 10.
It is the purpose of this elective to provide the student with an introduction to clinical oncology and laboratory hematology/oncology, particularly the approach to and evaluation of the patient with a hematologic/oncology disorder. The student will assist/perform routine hematologic procedures, including evaluation of peripheral smears and possibly one marrow biopsies.

IMED 802 Internal Medicine – Community
Credits 1.25 to 10. 1.25 to 10 Other Hours.
25 to 10. To provide an introductory experience in the practice of internal medicine.
Prerequisite: Satisfactory completion of year three of the medical school curriculum.

IMED 803 Clinical Cardiology and Electrocardiography
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This course will introduce the students to the clinical management of hospitalized cardiovascular patients. It will strengthen the student’s abilities in cardiovascular history and physical examination and introduce and/or reinforce skills in electrocardiographic interpretations. It will introduce students to certain non-invasive cardiac techniques including echocardiography, phonocardiography, and nuclear cardiology. Students will have the opportunity to experience a balance of inpatient and outpatient exposure according to student preference and be expected to make rounds daily with the Cardiology Service (Staff and Interns). The student will be expected to work up approximately one patient daily and participate in the care of that patient to the point of discharge. The student will participate with the Staff assigned to EKG interpretation in the daily readings of EKG’s. Lastly, the student will also have the opportunity to observe the performance and interpretation of non-invasive studies such as: echocardiography, nuclear cardiography, and systolic time intervals.

IMED 804 Dermatology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective is designed to provide a broad overview of the clinical presentation and management of common Dermatologic conditions seen in a clinic. An opportunity for self-study is provided as well. In addition, students will have the chance to accurately describe skin lesions. Diagnosis and treatment of common skin lesions, including papulosquamous diseases, vesiculobullous 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. The student will 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.
In general, students will learn to identify, diagnose and treat common allergic and immunologic disorders: rhinosinusitis, asthma, atopic dermatitis, urticarial, angioedema, immunodeficiency states and insect, food, and drug allergy. The course will review allergic/allergic dermatology conditions and immunological deficiencies seen in private practice. The faculty will give regular feedback on their patient presentations. The student will develop an understanding of the indications and methods of allergy skin testing, office spirometry, and laboratory tests used in diagnosing allergic and immunologic diseases. Additionally, the student will develop 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.
This elective will teach the student a 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. The elective will discuss the 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. The elective will also discuss principles of antimicrobial therapy, including antibacterial, antifungal and antiviral, in the treatment of infectious diseases. Lastly, the elective will discuss 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.
This course will offer daily experience with a practicing gastroenterologist including office practice, inpatient rounds, and procedures. Goals include education in basic gastroenterology as well as allowing the student to experience the daily activities of a busy gastroenterology practice. The course will introduce the student 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. There is no night or weekend call.

IMED 808 Physical Medicine and Rehabilitation
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective will allow fourth year medical students to familiarize themselves with the specialty of Physical Medicine and Rehabilitation if they are considering it as a possible career specialty. It will familiarize fourth year medical students with an inpatient and outpatient PM&R program and the treatment of complex neuromuscular and musculoskeletal problems. In addition, it will familiarize the student with a concept of interdisciplinary teams, and to help understand the appropriate and cost effective use of allied health therapies. Lastly, it will familiarize the student with the allied therapies including physical, occupational, speech and recreational therapy, prosthetics and orthotics.
IMED 810 Neurology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This course provides a broad exposure to outpatient clinical neurology. It is primarily targeted to 4th year students considering a career in neurology, but may also be appropriate for students in 3rd year with an interest in neurology. Students should develop refinements of their neurologic examination skills and learn much regarding the clinical management of neurologic disease.

IMED 811 Internal Medicine Acting Internship
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The acting internship at Baylor University Medical Center at Dallas is a 4-week rotation that will 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. It will provide an opportunity for medical students to gain a better experience in Internal Medicine if they are considering Internal Medicine or primary care as a possible career.

IMED 812 Physical Medicine and Rehabilitation
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective is designed to expose the student to various aspects of physical medicine and rehabilitation. The elective can be tailored according to the student’s interests. Students work with attending physicians and residents while delivering patient care in both the inpatient and outpatient setting. Exposure to the rehabilitative care of patients with stroke, spinal cord injury, brain injury, amputation, neuromuscular diseases, and musculoskeletal problems will be available. Sub-specialty PM&R areas such as electrodiagnostics and pediatric rehabilitation may be accommodated for students who express interests in such areas. Students take part in various weekly didactic sessions such as Journal Club and Grand Rounds. No call is required.

IMED 813 Physical Medicine and Rehabilitation
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective is designed to expose the student to various aspects of physical medicine and rehabilitation. The elective can be tailored according to the student’s interests. Students work with attending physicians and residents while delivering patient care in both the inpatient and outpatient setting. Exposure to the rehabilitative care of patients with stroke, spinal cord injury, brain injury, amputation, neuromuscular diseases, and musculoskeletal problems will be available. Sub-specialty PM&R areas such as electrodiagnostics and pediatric rehabilitation may be accommodated for students who express interests in such areas. Students take part in various weekly didactic sessions such as Journal Club and Grand Rounds. No call is required.

IMED 814 Hematology and Oncology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Students will be a member of a team participating in the provision of comprehensive subspecialty consultations for inpatients and outpatients with a wide variety of blood and neoplastic diseases. Students must demonstrate knowledge about established biomedical and clinical sciences and the application of this knowledge to patient care. There are no examinations. Evaluation will be based on achievement of the stated objectives of the course as assessed by the attending physician to whom the student is assigned and the Program Director. Similarly, evaluation of the elective by the student will be requested.

IMED 815 Clinical Infectious Diseases
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This course will offer a logical approach to the diagnosis and management of patients suspected of having an infectious disease through direct participation in the consultative infectious diseases service as well as participation in the management of outpatient consults and outpatient primary care patients’ clinic visits. The student will become familiar with the use of ancillary radiological technology for the diagnosis and management of infectious diseases. The course will 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. Principles of antimicrobial therapy, including antibacterial, antifungal, antiparasitic, and antiviral therapeutics, in the treatment of infectious diseases will be introduced. Additionally, 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 will be presented.

IMED 816 Clinical Nephrology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This course will provide an overview of the practical clinical application of basic principles of renal physiology. Methods of instruction will include a didactic and clinical component. The didactic component includes the following regularly scheduled conferences: Medicine (general) Noon Conferences held Monday-Thursday; Internal Medical Grand Rounds, 8 a.m. every Tuesday; Nephrology Fellow Teaching Conference every Wednesday at 4:00, and Nephrology Journal Club held every Friday at 11:00 a.m. The clinical component consists of students performing the initial renal consultation, presenting the consult to the attending physician, and following the patient on a daily basis. The students are supervised by the members of the Nephrology Division at Baylor. Schedule is set by the attending physician. The student is accountable to the one member of the Nephrology Division to whom he/she is assigned. Students will be responsible for synthesizing data, formulating plans of action, and following patients with acute and chronic renal failure, fluid and electrolyte abnormalities and renal pathology.

IMED 817 Dermatology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective is designed to provide a broad overview of the clinical presentation and management of common Dermatologic conditions seen in a large group practice. Opportunity for self-study is provided as well. Housing is not provided and there is no required night call.

IMED 818 Allergy/Clinical Immunology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
In general, students will learn to identify, diagnose and treat common allergic and immunologic disorders: rhinosinusitis, asthma, atopic dermatitis, urticaria, angioedema, immunodeficiency states and insect, food, and drug allergy. The course will review allergic/allergic dermatology conditions and immunological deficiencies seen in private practice. The faculty will give regular feedback on their patient presentations. The student will develop an understanding of the indications and methods of allergy skin testing, office spirometry, and laboratory tests used in diagnosing allergic and immunologic diseases. Additionally, the student will develop a working knowledge of basic immunology concepts as they pertain to clinical care.
The course will demonstrate comprehensive nature of end-of-life care, will be provided basic information on pain assessment and management, diseases and appropriate methods of delivering bad news. The student needed to improve communication with patients with chronic or terminal diseases. The rotation is to learn basic principles of Neurology that are necessary to the non-neurologist, while demonstrating conscientious and responsible behaviors pertaining to patient care. Faculty will strive to provide basic information on interdisciplinary approach to palliative and end-of-life care. This course will teach skills needed to improve communication with patients with chronic or terminal diseases and appropriate methods of delivering bad news. The student will be provided basic information on pain assessment and management. The course will demonstrate 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 830 Rheumatology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Identify, diagnose, and treat common rheumatologic disorders; rheumatoid arthritis, musculoskeletal exam techniques, lupus, crystalline arthropathies, spondyloarthropathies, vasculitis, osteoarthritis, soft issue disorders and myopathies. The student will understand the risks and benefits of drugs used to treat rheumatologic diseases. The student will become familiar 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 will also be taught.

IMED 831 Medical Intensive Care Unit
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The Medical Intensive Care Unit will guide the student through a systematic approach to the critically ill patient and impart an appreciation for the dynamic multi-organ system interrelationships in critical care. Senior medical students will be taught an evidence based medical approach to the frequently encountered medical illnesses requiring critical care intervention. Additionally, the students should anticipate fostering of their ethical compass as it relates to complex medical dilemmas involving life and death issues.

IMED 832 Medical-Surgical Intensive Care Unit
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The Medical-Surgical Intensive Care Unit will guide the student through a systematic approach to the critically ill patient and impart an appreciation for the dynamic multi-organ system interrelationships in critical care and the multidisciplinary management if those patients. Senior medical students will be taught an evidence-based medical approach to the frequently encountered medical illnesses requiring surgical and medical critical care intervention to include ventilatory management, hemodynamic monitoring and management, as well as nutritional, pharmacologic, and rehabilitative efforts. In addition, the experience will foster setting of the students’ ethical compass as it relates to complex medical dilemmas and life and death issues. There will be no night call but students may be asked to work weekend shifts.

IMED 833 Clinical Endocrinology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The endocrinology experience will include all levels of care (1-3 degree), primary and secondary patients along with several outpatients per day with a variety of endocrine disease. The faculty will introduce the student to endocrine evaluation based upon knowledge of clinical physiology and pharmacologic manipulation. The faculty will familiarize the student 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. Goals include education in basic gastroenterology and for the student to gain insight into what a gastroenterology practice is like. This includes the concept of being a subspecialist consultant and to work cooperatively with other subspecialists for the benefit of the patient. Hours are typical Monday-Friday starting at 0700 each day and finishing before 1800 each day. There is no night or weekend call. In addition to the usual Internal Medicine noon conferences, students attend a number of GI conferences weekly and interact with residents and fellows on the service.

IMED 835 Infectious Disease
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at MD Anderson. In-depth clinical experience in the diagnosis, treatment and prevention of infectious diseases; teach the fundamental infectious diseases concepts during the rotations in our in-patient consult services and our outpatient clinics; and also during our regularly scheduled academic meetings, provide regular feedback to the students on their history and physical, case presentation, professionalism and interpersonal skills.

IMED 836 Benign Hematology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at MD Anderson. Provide structured rounds on inpatients service; expose students to out-patients with a variety of benign hematological conditions: hipercoagulability, thrombosis, bleeding, and abnormal platelets, red blood cells, and white blood cells; provide didactic sessions at least weekly; and challenge students to master and teach on focused topic.

IMED 837 Cardiology Imaging
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at the Methodist Hospital. Hospital management of common cardiology conditions such as atrial fibrillation, heart failure, pericarditis, acute coronary syndromes, and recovery from open heart surgery. Interpret ECGs with the student; and teach an evidence-based approach to the evaluation and management of common cardiology disorders, including the appropriate use of testing and invasive procedures.

IMED 838 Inpatient General Internal Medicine Consult Service
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 students’ skills in developing work-up and management strategies for common medical diagnosis; and provide opportunities to experience the role of an inpatient GIM consultant to a diverse group of specialists.

IMED 839 Clinical Cardiology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at MD Anderson. Unique learning experience in general cardiology and cardiovascular complications of cancer treatments; teach clinical cardiology concepts during clinic, inpatient rounds, and regularly scheduled didactic departmental and multidisciplinary conference; and provide regular feedback to student on patient presentations.

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.
The faculty will strive to create a stimulating educational environment and provide opportunities to conduct research based on the scientific method; supervise the student’s performance of basic laboratory techniques; meet regularly with the student to discuss and critique the progress of their research project; and encourage the student to present at scientific meetings.

IMED 843 Cardiology Outpatient
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at the Methodist Hospital. Outpatient management of common cardiovascular disorders such as hypertension, peripheral diseases, heart failure, chronic atrial fibrillation, angina pectoris and valvular disorders; and interpret ECGs with the student.

IMED 844 Cardiology Inpatient
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at the Methodist Hospital. 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.

IMED 845 Gastroenterology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at MD Anderson. A 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 students’ skills in developing work-up and management strategies for common medical diagnosis; and provide opportunities to experience the role of an inpatient GIM consultant to a diverse group of specialists.

IMED 849 Acting Internship in General Internal Medicine
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at the Methodist Hospital. This is a 4-week acting internship elective in Internal Medicine at The Methodist Hospital during which the student will work under the supervision of a senior resident and attending physician. The student will be required to take night calls (until 11 pm) with the resident team every 4th night. The student will be expected to function at the level of an intern and will have primary responsibility for the patients he/she admits to the Internal Medicine service. Housing is the responsibility of the student.

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 students’ 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 851 Neurology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at the Methodist Hospital. Provide the student with an opportunity to see patients with neurological problems under the supervision of various neurologists and neurology residents; provide feedback on histories, physicals, and case presentations; and encourage independent study of neurological disorders and pathophysiology.

IMED 853 Cardiology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at Austin Heart. Improve student clinical skills in obtaining a pertinent cardiovascular history and performing physical examination including identification of cardiac murmurs by auscultation. Increase knowledge of path physiology of cardiac illnesses. Improve knowledge about management of cardiac problems, congestive heart failure, angina pectoris acute coronary syndrome, cardiac arrhythmias and emergencies. Improve student 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 patients in ICU. Introduction to evidence based approach to medicine practiced in care of cardiac patients.
IMED 854 Cardiology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Offered at Texas Cardiovascular. Improve student clinical skills in obtaining a pertinent cardiovascular history and performing physical examination including identification of cardiac murmurs by auscultation. Increase knowledge of path physiology of cardiac illnesses. Improve knowledge about management of cardiac problems, congestive heart failure, angina pectoris acute coronary syndrome, cardiac arrhythmias and emergencies. Improve student 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 patients in ICU. Introduction to evidence based approach to medicine practiced in care of cardiac patients.

IMED 855 Clinical Rheumatology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The four-week elective is designed to provide a broad clinical experience in Clinical Rheumatology. First contact experience will be provided in the outpatient clinical setting at Scott and White Healthcare - Round Rock. Housing is not provided. No night call is required.

IMED 856 Hematology and Medical Oncology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The elective is designed to give the student understanding and educational experience in the evaluation and clinical management of patients with hematologic and non-hematologic malignancies. Housing is not provided. No night call is required.

IMED 857 Hematology and Medical Oncology – Outpatient
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The elective is designed to give the student understanding and educational experience in the evaluation and clinical management of patients with hematologic and non-hematologic malignancies. Housing is not provided. No night call is required.

IMED 858 Neurology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The two- or four-week elective is designed to teach the principles and skills underlying the recognition and management of neurological diseases that a general practitioner is most likely to encounter in practice. The student will attend outpatient clinic throughout the elective and will be assigned new patients for evaluation as well as previously assigned patients for follow-up. Housing is not provided. No night call is required.

IMED 859 Intensive and Critical Care
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The four-week rotation is designed to impress upon the student the need for a comprehensive problem oriented approach to the critically ill patient and to help the student to understand and manage complex medical problems of the critically ill patient. The faculty will strive to teach the student a logical evidence-based approach to the care of critically ill patients and provide the student an in-depth exposure to a wide range of medical diseases encountered in the intensive care setting. Faculty will strive to assist the student in basic knowledge and abilities of ICU procedures. The student will follow their own group of patients and work directly with the critical care faculty member.

IMED 860 Adult and Pediatric Allergy and Immunology Outpatient Clinic
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This is a four-week elective in allergy and immunology that will provide experience in managing common adult and pediatric allergy and immunology ambulatory illness. It will introduce student to uncommon allergic diseases and illustrate broader aspects of adult and pediatric care, as it relates to the care of patient with chronic allergic conditions. The elective will encourage student to develop skills in carefully evaluating patient with allergic or immunological problems and introduce them to an ambulatory health care system dealing with patients who have chronic illnesses and require chronic management.

IMED 861 General Internal Medicine Acting Internship
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Strengthen and refine student's skills in taking historic and performing physical examinations; assist students in developing better capabilities in arriving at differential diagnoses and ordering diagnostic testing; guide students in making therapeutic decisions; give students responsibility for patient management under faculty supervision; and allow students to perform certain diagnostic procedures under supervision on their patients when indicated.

IMED 862 Preventative Medicine
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The elective will introduce the student to: experience the roles and responsibilities of a preventative medicine physician; evidence based preventative services in the public health setting and in the community; expose the student to the core functions and essential services of a local public health agency including the programmatic and practices examples of each; explore the competencies inherent in preventative medicine residencies, the scope and content of the Masters of Public Health Degree and opportunities for scholarly research in prevention.

IMED 863 Community Based Geriatric Medicine
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Increase student awareness of the biopsychosocial factors which characterize the uniqueness of the elderly, understand normal aging processes and differentiate this from disease. Improve student 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. Examine negative attitudes toward aging and the aged and the implications of these attitudes for medical care. Provide 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 864 Gastroenterology Hospital Service
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Reinforce the clinical diagnostic skills obtained by the student during his third-year clerkship in medicine. Introduce the student to the specialized diagnostic procedures relating to gastrointestinal disorders with emphasis on their indications and interpretations. Familiarize the student with the management of some of the more commonly encountered gastrointestinal disorders.
IMED 865 Clinical Gastroenterology, Hepatology, and Nutrition
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective will reinforce the clinical diagnostic skills obtained by the student during his third-year clerkship in Medicine; introduce the student to the specialized diagnostic procedures relating to gastrointestinal disorders with emphasis on their indications and interpretations, limitations, and risks; and familiarize the student with the management of some of the more commonly encountered gastrointestinal disorders.

IMED 866 Clinical Nutrition
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective will provide an introduction to clinical malnutrition in the adult patient with emphasis on the clinical syndromes of kwashiorkor and marasmus. An understanding of alterations in nutrition which occur as a result of adult illnesses including the clinical recognition and management of resulting disorders of nutrition. A familiarity to the student of the proper evaluation and utilization of specific lab tests in the diagnosis of malnutrition in the hospitalized adult patient. A familiarity to the students of the indications and usage of enteral nutrition in the adult hospitalized patient. A familiarity to the student 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.
This elective will strive to: guide the student through a systematic approach to the critically ill patient and impart an appreciation of the dynamic multi-organ system interrelationships in critical care; Teach the student an evidence-based medical approach to the frequently encountered medical illnesses requiring critical care intervention; Teach the student an appropriate approach and initial diagnostic evaluation of the more common pulmonary diseases encountered in internal medicine; Foster the students ethical compass as it relates to complex medical ethical dilemmas and life and death issues.

IMED 868 Clinical Allergy
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective will provide experience in the diagnosis and management of allergic and related non allergic diseases commonly encountered in primary medical practice and uncommon allergic and immunologic diseases referred to the faculty.

IMED 869 Hematology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective will introduce the student to the spectrum of hematologic problems seen in a primary care practice; reinforce basic concepts of pathophysiology, clinical evaluation, and management of common hematologic problems; strengthen the student’s understanding of peripheral blood and bone marrow morphology; strengthen the student’s understanding of basic coagulation testing as it applies to patients with hematologic and non-hematologic disease; and acquaint the student with the indications and proper technique for commonly used diagnostic procedures in patients with hematologic problems.

IMED 870 Geriatric Medicine
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective is designed to give fourth year medical students the opportunity to practice community based geriatric medicine. The students will examine and evaluate patients in their home environments within senior living communities as opposed to hospital based care. This approach provides a rich opportunity to put into practice the concepts of multi-faceted geriatric assessment taught during the 3rd year ambulatory internal medicine block. The students will also have case-based interactive learning sessions, which will focus on integrating pharmacology and patho-physiology as they apply to the aging population. This elective will cover common geriatric syndromes such as falls, incontinence, atypical presentation of disease, failure to thrive, elder abuse, pressure ulcers, end of life care, gait instability and debility. Transportation to distant clinical sites is available via carpool.

IMED 871 Ambulatory General Medicine
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Strengthen and refine a student’s skill set focusing on taking an accurate patient history, performing physical exams, and developing a differential diagnosis. The faculty will assist the student in developing a plan of care including ordering diagnostic imaging and laboratory as well as providing insight into the therapeutic decision making. The students will be given responsibility for patient management under faculty supervision. The students will be allowed to perform appropriate diagnostic procedures under supervision on their patients when indicated.

IMED 872 Gastroenterology Clinic
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Introduce the student to the spectrum of diseases and problems seen in the outpatient clinical practice of gastroenterology. Reinforce basic concepts regarding the pathophysiology, clinical evaluation and management of the more common problems seen in gastroenterology and hepatology. Acquaint the student with the GI investigative procedures their indications, practice and interpretation. Familiarize the student with the indications for and interpretation and clinical correlation of GI radiological techniques.

IMED 873 Clinical Pulmonology (VA)
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Improve skills in obtaining a respiratory history and performing a physical examination of the chest; strengthen ability to interpret radiographs of the chest, pulmonary function tests, and arterial blood gas results; increase knowledge of pulmonary disease and the pathophysiology of respiratory disorders; improve skills in managing patients with common pulmonary disease; and provide opportunities for observing endobronchial abnormalities at bronchoscopy.

IMED 874 Private Service Internal Medicine Acting Internship
Credits 1.25 to 10. 1.25 to 10 Other Hours.
One-on-one mentoring and teaching for fourth year students. Promote autonomous decision making within appropriate confines of a teaching service. Further develop student’s patient management skills. Promote increased appreciation of the multiple aspects of the practice of Internal Medicine.

IMED 875 Neurology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Principles and skills underlying the recognition and management of neurologic diseases that a general practitioner is most likely to encounter in practice.
IMED 876 Medical Intensive Care Unit (VA)
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 the Coronary and Medical Intensive Care Unit (CMICU) with the supervision by senior residents and faculty. Assist students in developing better capabilities in arriving at differential diagnoses and ordering diagnostic tests. Guide students in learning patient monitoring and life-support equipment used in the critical care setting. Allow the students to perform certain diagnostic procedures on their patients when indicated.

IMED 877 Clinical Pharmacology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Introduce the principles of pharmacotherapy, including therapeutic drug monitoring, as these principles apply to the clinical setting. Enhance the student's ability to apply pharmacologic principles to clinical medicine. Introduce the student to the resource materials available for information on drugs and drug therapy. Familiarize the student with the principles of drug absorption, distribution, metabolism, and elimination as they apply to patients with different diseases and of varying age groups. Expand the student's knowledge of principles of antimicrobial therapy.

IMED 878 Clinical Cardiology and Electro Cardiology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective will introduce the students to the clinical management of hospitalized cardiovascular patients; strengthen the student's abilities in cardiovascular history and physical examination; introduce and/or reinforce skills in electrocardiographic interpretations; and introduce students to certain noninvasive cardiac techniques including echocardiography, phonocardiography, and nuclear cardiology.

IMED 879 ICU Clinical Cardiology and Electrocardiography (VA)
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Improve student skills in obtaining a pertinent cardiovascular history and performing physical examination including identification of cardiac murmurs by auscultation. Increase knowledge of pathophysiology of cardiac illnesses. Improve knowledge about management of cardiac problems, congestive heart failure, angina pectoris, acute coronary syndrome, cardiac arrhythmias and emergencies. Improve student skills in identification of EKG abnormalities and arrhythmias. Introduce to non-invasive tests like cardiac stress tests, echocardiograms. Introduce to nuclear cardiology. Introduce to hemodynamics, cardiac outpatients in ICU. Introduce to evidence based approach to medicine practiced in care of cardiac patients.

IMED 880 Medical Intensive Care Unit
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective will impress upon the student the need for a comprehensive problem oriented approach to the critically ill patient, and strive to help the student to understand and manage complex medical problems of the critically ill patient. Teach the student a logical evidence-based approach to the care of the critically ill patient and provide the student 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. Insure that this rotation meets the requirements for acting internship. The student will maintain their own group of patients and work directly with the critical care faculty member as well as an upper level resident or pulmonology fellow. The student will take in-house call with the team at least once a week.

IMED 881 Clinical Endocrinology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Introduce the student to endocrine evaluation based upon knowledge of clinical physiology and pharmacologic manipulation. Familiarize the student with the management of diabetes, thyroid disease, osteoporosis and lipid disorders in 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; and also include other endocrine related disorders, including but not limited to thyroid, pituitary, adrenal, parathyroid, other hormones, electrolyte and water disturbances.

IMED 883 Dermatology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
This elective is designed to provide a broad overview of the clinical presentation and management of common dermatologic conditions seen in a large group practice. Opportunity for self-study is provided as well. Housing is not provided and there is no required night call.

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 the student with a career choice.

IMED 885 Neurology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
The 2- to 4-week elective is designed to teach the principles and skills underlying the recognition and management of neurological diseases that a general practitioner is most likely to encounter in practice. Housing is not provided. No night call is required.

IMED 886 Inpatient Palliative Medicine
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Rotation that will teach communication skills, expert symptom management and interdisciplinary team work with a social worker and chaplain on an inpatient Palliative Care Service. Regardless of our eventual area of expertise, each of us will take care of patients with major symptoms of disease and the associated emotional and spiritual reactions. Research has shown that although we have accomplished major technical expertise over the last few decades, until recently very little educational effort has been spent on communication skills, professionalism and aggressive symptom management. This course will be helpful for all those that deal with sensitive patient and family issues, regardless of specialty. It will also encourage the student to care for themselves that they may have the energy and strength to care for others.

IMED 887 Clinical Infectious Disease (Inpatient Service)
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Familiarize the clinical clerk with the presentation, differential diagnosis, and management of commonly encountered infections disease; familiarize the clinical clerk with his responsibilities as a physician in the public health system of Texas; acquaint the clinical clerk with the practical aspects of antimicrobial agents commonly used; and provide experience in microbiologic techniques useful for the practicing physician.
potentially complete a research project.

starting a research project the fundamentals to begin, carryout, and project reach their project goals and can provide those interested in the elective can provide assistance to students with an ongoing research involved in a research project at the commencement of the elective. Thus, development of physicians. The purpose of this elective will be to provide

Credits 1.25 to 10. 1.25 to 10 Other Hours.

Acquire skills in diagnosis and treatment of adult infectious diseases, including both acute and chronic community acquired infections as well as nosocomial infections; and develop experience and education in the proper use of anti-infective agents.

IMED 889 Clinical Nephrology
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Reinforce core material from the Nephrology section of the Introduction to Medicine course; provide clinical correlation and patient management experience in renal disease; familiarize the student 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 used 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 892 General Internal Medicine Acting Internship (VA)
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Strengthen skills in taking histories and performing physical examinations; assist students in developing better capabilities in arriving at differential diagnoses and ordering diagnostic tests; guide students in making therapeutic decisions; give students responsibility for patient management under faculty supervision; allow students to perform certain diagnostic procedures under supervision on their patients when indicated.

IMED 893 Research in Medicine
Credits 1.25 to 10. 1.25 to 10 Other Hours.
An appreciation for research has high educational value in the development of physicians. The purpose of this elective will be to provide students an opportunity to explore research processes, planning and execution particularly within medicine. Students may or may not be involved in a research project at the commencement of the elective. Thus, the elective can provide assistance to students with an ongoing research project reach their project goals and can provide those interested in starting a research project the fundamentals to begin, carryout, and potentially complete a research project.

IMED 894 Medical Education/Simulation
Credits 1.25 to 10. 1.25 to 10 Other Hours.
Introduce students to curriculum design, outcome measure implementation and learning styles. Present simulation opportunities for teaching, as well as train students to utilize simulation equipment/software (partial task trainers, SimMan, MicroSim). Instruct students on teaching methods and provide opportunities for students to employ teaching methods within the MS3 IM clerkship. Expose students to faculty development opportunities. Four-Week Elective: In addition to the expectations above: Familiarize students with concepts in research design, including carrying out a literature review, gathering and analyzing data, and writing for presentation (e.g., poster presentation.)

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; reinforce the student’s skills in bedside evaluation and history taking of angina and clinical presentation of myocardial infarctions; familiarize the student with current techniques in management of acute myocardial infarction including the treatment of arrhythmias and congestive heart failure in the acute infarct setting; introduce the student to post myocardial infarction rehabilitation and education practices; and introduce the student 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. This elective will impress upon the student the need for a comprehensive problem oriented approach to the critically ill patient, and strive to help the student to understand and manage complex medical problems of the critically ill patient. Teach the student a logical evidence-based approach to the care of the critically ill patient and provide the student 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.
Strengthen and refine a students’ skill set focusing on taking an accurate patient history, performing physical exams, and developing a differential diagnosis. The faculty will assist the student in developing a plan of care including ordering diagnostic imaging and laboratory as well as providing insight into the therapeutic decision making. The students will be given responsibility for patient management under faculty supervision. The students will be allowed to perform appropriate diagnostic procedures under supervision on their patients when indicated.
IMED 901 General Medicine Acting Internship
Credits 1.25 to 6.3. 1.25 to 6.3 Other Hours.
The IMED AI is a four-week experience in the inpatient setting during which students assume the role of "intern." Students will be integrated into the service as a member of the team, participating in all aspects of patient management. The student will be expected to complete at least 40 hours per week on the service. Students will be expected to do after hours call overnight twice weekly and will work directly with attending at St. David's Medical Center-Georgetown. Housing is not provided for this elective. Must be taken on a satisfactory/unsatisfactory basis.
Prerequisite: 4th year status.

IMED 902 Physical Medicine and Rehabilitation
Credits 1.25 to 6.3. 1.25 to 6.3 Other Hours.
This elective will allow fourth year medical students to familiarize themselves with the specialty of physical medicine and rehabilitation if they are considering it as a possible career specialty. It will familiarize fourth year medical students with an inpatient and outpatient PM&R program and the treatment of complex neuromuscular and musculoskeletal problems. In addition, it will familiarize the student with a concept of interdisciplinary teams, and to help understand the appropriate and cost effective use of allied health therapies. Lastly, it will familiarize the student with the allied therapies including physical, occupational, speech and recreational therapy, prosthetics and orthotics. Must be taken on a satisfactory/unsatisfactory basis.
Prerequisite: 4th year status.

IMED 903 Traditional Pulmonary Medicine
Credits 1.25 to 6.3. 1.25 to 6.3 Other Hours.
This elective is designed to expose the student to a pulmonary consultative experience. The student will rotate at St. David's Georgetown Hospital and in a doctor's private office at Central Texas Pulmonary. Thus, the student will be exposed to patients with COPD, dyspnea, interstitial lung disease, pleural effusions, thromboembolic disease, and lung nodules, masses, and cancer. The student will be able to participate in bronchoscopies, thoracentesis, and pulmonary function testing. The objectives of the rotation are: (1) to teach interpretation of pulmonary function testing, (2) to teach interpretation of chest x-rays and CT scans, and (3) to be able to 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). The student will also see some patient consultations in the surgical intensive care units. Must be taken on a satisfactory/unsatisfactory basis.
Prerequisite: 4th year status.

IMED 904 Coronary Care Unit
Credits 1.25 to 6.3. 1.25 to 6.3 Other Hours.
Improve student skills in obtaining a thorough history and performing a physical examination with particular emphasis on pertinent cardiovascular history as well as comprehensive examination of the cardiovascular system that encompasses the following five key areas: (1) general examination of the patient; (2) assessment of the venous pulse, both in normal and diseased states; (3) assessment of arterial pulse, both in normal and diseased states; (4) precordial examination; and (5) auscultation of the cardiovascular system, including identification of cardiac murmurs. Must be taken on a satisfactory/unsatisfactory basis.
Prerequisite: 4th year status.

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 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 College of Medicine requires that each of these electives be approved prior to the rotation.

IMED 999 On Campus Student Initiated Elective
Credits 1.25 to 12. 1.25 to 12 Other Hours.
This is an on-campus opportunity in the department of Internal Medicine in the College 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.