

# INTERNAL MEDICINE - MD (MED)

## **MED 096 Int Med-Hospital Teach Round 2 cr**

The student will attend and participate in Internal Medicine hospital teaching rounds at USAMC with a ward team. The student will participate in discussions of pertinent medical literature, patient presentations, and bedside teaching sessions.

## **MED 097 Internal Medicine Morning Rpt 1-3 cr**

The student will attend and participate in Internal Medicine Morning Report, an interactive didactic conference designed to guide internal medicine house staff and medical students in developing differential diagnosis and plan of treatment for hospitalized patients.

## **MED 098 Internal Medicine Grand Rounds 1 cr**

The students will attend the Department of Medicine's weekly lecture series intended for students, house staff, and faculty. The students may discuss the presentation with faculty as time permits after the lecture.

## **MED 099 General Internal Medicine Clin 3 cr**

The students will assist the attending physician and medical house staff in the evaluation and treatment of outpatients presenting to the Stanton Road Clinic outpatient facility.

## **MED 122 Intro to Clinical Medicine I 2 cr**

This course teaches the basic skills of physical diagnosis and interviewing. The skills are acquired by both didactic instruction and by practice under supervision of preceptors. The course incorporates a longitudinal clinical experience in the office of a community physician. This experience begins in January of the freshman year and continues through the sophomore year.

## **MED 214 Intro to Clinical Medicine II 6 cr**

The course provides further development in the skills of medical interviewing and physical diagnosis begun in the first year. It is taught throughout the second year by the clinical faculty. The format incorporates lectures, small group instruction, and interviews and examinations of patients. The approach to, and the method of, examination is emphasized rather than the demonstration of disease processes. Upon completion of this course, the student should be sufficiently competent in obtaining, organizing, and communicating clinical data to enter the clinical clerkships.

## **MED 311 Internal Medicine 12 cr**

In this clerkship, the student is taught basic disease mechanisms and general principles of diagnosis and patient management. The student will utilize current medical literature in addition to standard texts for the acquisition of information. Habits and techniques will be developed that will allow continuation of medical education beyond the traditional, more formal training period. The student is responsible for the diagnostic evaluation and care of three to six patients per week under the supervision of the attending physician and the ward resident. Rounds are made daily with the house staff and with the attending physician. The average team consists of one attending physician, one resident, two interns, and three students. Noon conferences and student lectures are provided several times each week on topics relating to common problems in medical diagnosis and patient management. The student will also be assigned to an ambulatory rotation of 2 - 4 weeks.

## **MED 400 Medicine Externship 4 cr**

To be determined.

## **MED 401 History of Medicine 4 cr**

Material to be covered may consist of the art and practice of medicine from the earliest historic times through the area for study. Investigation that is historic, romantic, or scientific will relate to some area of human illness in the evolution of medical practice. Study of the lives of leading personalities, the role of disease in shaping history, and the unfolding of medical memorabilia stored within our community will afford four weeks of provocative effort.

## **MED 444 Spec Elec-Medicine 4 cr**

To be prepared by the student in conjunction with the Course Director and approved by the Vice Dean before course can be added to schedule. This course is designed to offer students and faculty/clinical faculty an opportunity to develop electives which are not offered in the Elective Manual. Such an elective may be made permanent and printed in the next edition of the Elective Manual at the request of the Course Director and with the approval of the Curriculum Committee. At the discretion of the Vice Dean, this elective may count as the required "in-house" elective.

## **MED 450 Acting Intern - Internal Med 4 cr**

This is a four week general medicine rotation during which the senior student will serve as an acting intern on one of four general medical ward services at the University of South Alabama Medical Center. The acting intern will function side by side with regularly assigned interns and assume similar responsibilities under the supervision of the ward resident and attending physician.

## **MED 451 Acting Intern - Internal Med 4 cr**

This is a four week general medicine rotation during which the senior student will serve as an acting intern on one of two general medical ward services at Mobile Infirmary. The acting intern will function side by side with regularly assigned residents and assume similar responsibilities under the supervision of the ward resident and attending physician. Because the rotation is held at the Mobile Infirmary, students will not be allowed to drop or add this rotation within one month of the scheduled beginning date.

## **MED 452 Acting Intern Critical Care Me 4 cr**

The senior student will work with second and third year Medical Residents, Pulmonary Medicine Fellows and Attendings in the assessment and management of intensive care medical patients. The translation of basic sciences to clinical practice will be emphasized. The student will learn the principles of invasive monitoring, ventilator management, inotropic and vasoactive drugs and the assessment and management of acute organ failure including the interpretation of blood gases and other laboratory values. The student will gain experience in invasive procedures such as placement of central venous and arterial cannulae.

## **MED 460 Pulmonary Medicine 4 cr**

To improve the student's ability to evaluate and manage patients with pulmonary problems, to provide a basic ability to interpret pulmonary function tests and chest radiographs, and to introduce fundamentals of pulmonary pathophysiology.

## **MED 461 Endocrinology & Metabolism 4 cr**

The student will interview and examine patients with pituitary, thyroid, parathyroid, adrenal, gonadal, and other metabolic disorders, including diabetes mellitus. After presentation of the patient to the faculty attending and discussion of diagnosis and management, it will be the student's responsibility to follow the patient's progress during hospitalization.

**MED 462 Renal Medicine 4 cr**

Patient Care - Students examine, evaluate and follow all patients seen for renal consultation in conjunction with the renal resident and under the supervision of the attending nephrologist. Teaching - Daily directed teaching by the attending nephrologist is an integral part of patient rounds. In addition, formal presentations will be provided by both attending and resident on selected topics of renal, acid-base, fluid and electrolyte, and hypertensive pathophysiology. Self-learning is expected through a provided reading list.

**MED 463 Cardiology Consult Service 4 cr**

Students will evaluate patients referred for consultation. Students will perform a cardiac directed history and physical on assigned consultative patients under the direction of the medicine housestaff, cardiology fellow and cardiology attending. The student will be urged to observe a defined number of cardiac diagnostic tests and documenting their involvement. The student will be required to interpret 50 electrocardiograms in a 4 week period with direct oversight by a cardiology fellow or faculty member.

**MED 464 Infectious Diseases 1-4 cr**

The elective in Infectious Diseases is designed around the consultation service and the outpatient clinics. Consultations are seen from the medical and surgical services, burn center, medical and surgical intensive care units, pediatric service and from the obstetrical and gynecologic services. A wide ranging spectrum of disease is seen including infectious endocarditis, bacterial meningitis, pneumonia, complications of Acquired Immunodeficiency Syndrome, ICU associated infections, etc. Students also spend 1/2 day per week at the Mobile County HIV clinic supervised by the ID faculty.

**MED 465 Gastroenterology 1-4 cr**

The clinical elective is a highly structured program designed to provide the student exposure to digestive disorders and physiology. The rotation has patient case experience at USA Medical Center, Infirmary West and ambulatory clinics. There are didactic lectures, conferences and case-based syllabus teaching and interactive sessions, with electronic media as well as some formal training in nutrition. Students spend time with private gastroenterologists in their practices.

**MED 466 Rheumatology 1-4 cr**

There are three major objectives of this elective: (1) to give the student experience in approaching the evaluation and management of patients with various forms of arthritis and systemic rheumatic diseases, including the common local rheumatic syndromes; (2) to give the student proficiency in a musculoskeletal, particularly joint, physical examination and (3) to help orient the student in dealing with chronic disease in general.

**MED 467 Critical Care Medicine 1-4 cr**

The senior student will work with second and third year Medical Residents, Pulmonary Medicine Fellows and Attendings in the assessment and management of intensive care medical patients. The translation of basic sciences to clinical practice will be emphasized. The student will learn the principles of invasive monitoring, ventilator management, inotropic and vasoactive drugs and the assessment and management of acute organ failure including the interpretation of blood gases and other laboratory values. The student will gain experience in invasive procedures such as central and arterial cannulae.

**MED 468 Cardiology Inpatient Service 1-4 cr**

The objective of this course is to acquaint the student with the principles of diagnosis and management of common cardiovascular disorders that require hospitalization for acute management. These disorders include, for example, acute coronary syndrome, ST elevation myocardial infarction, primary cardiac arrhythmias and exacerbation of congestive heart failure. The students will receive ample exposure to patients with hypertension, diabetes mellitus and valvular heart disease.

**MED 469 Allergy and Immunology 1-4 cr**

The course is designed around the outpatient clinic and inpatient consults. Outpatient clinic focuses on management of a wide variety of allergic disease (including asthma, allergic rhinitis, food allergy, urticaria, and eczema) and immunodeficiency. Students will have an opportunity to participate in diagnostic/therapeutic procedures such as skin testing, food challenges and spirometry. The consult service covers USAMC, USACW, and MIMC.

**MED 470 MercyLIFE/Geriatrics 1-4 cr****MED 472 Pulmonary Medicine 1-4 cr**

The clinical elective in pulmonary medicine may be taken at any time following the junior year. The student will be responsible for the initial evaluations of patients assigned. The student will be responsible for presentation of such patients to the resident and attending on the pulmonary service and should follow the patients throughout their hospital course. General hours are from 8:00 a.m. to 5:00 p.m., Monday - Friday. Occasional circumstances will dictate that patients must be seen at hours outside of this schedule, and some patients may need to be seen on weekends on routine rounds. The student may also choose to spend part of the rotation at the USAKPH campus, including the Sleep Disorders Center, by special arrangement.

**MED 473 Endocrinology and Metabolism 1-4 cr**

The student will interview and examine patients with pituitary, thyroid, parathyroid, adrenal, gonadal, and other metabolic disorders, including diabetes mellitus. After presentation of the patient to the faculty attending and discussion of diagnosis and management, it will be the student's responsibility to follow the patient's progress during hospitalization.

**MED 474 Primary Care-Pub Health Precep 1-4 cr**

The student will work under the supervision of the Mobile County Health Officer or his designee in one or more of the following primary care clinics of the Mobile County Health Department: Pediatrics, Adult Care, Family Planning, Maternity, and Chronic Disease. The student may also be exposed to Community Epidemiology and Environmental Health. Special attention will be given to assisting the student in meeting his or her specific learning objectives based on the individual student's interests, capabilities, or needs.

**MED 475 Renal Medicine 1-4 cr**

Patient care - students examine, evaluate, and follow all patients seen for renal consultation in conjunction with the renal resident and under the supervision of the attending nephrologist. Teaching - daily directed teaching by the attending nephrologist is an integral part of patient rounds. In addition, formal presentations will be provided by both attending and resident on selected topics of renal, acid-base, fluid and electrolyte, and hypertensive pathophysiology. Self-learning is expected through a provided reading list.

**MED 477 Cardiology Consultation Serv 1-4 cr**

The objective of this course is to acquaint the student with the principles of diagnosis and management of common cardiovascular disorders including acute and chronic forms of ischemic, hypertensive, valvular, pericardial, and cardiomyopathic heart disease as well as congenital heart disease in the adult. The student will also receive ample exposure to patients with hypertension, congestive heart failure and cardiac arrhythmias, become familiar with the principles of cardiovascular pharmacotherapy, learn to interpret electrocardiograms and learn to appropriately utilize the various cardiac diagnostic tests.

**MED 479 Acting Internship-Medicine 1-4 cr**

This is a four week general medicine rotation during which the senior student will serve as an acting intern on one of four general medical ward services at the University of South Alabama Medical Center. The acting intern will function side by side with regularly assigned interns and assume similar responsibilities under the supervision of the ward resident and attending physician.

**MED 480 Primary Care/Public Health 1-4 cr**

The objective of this course is to acquaint the student with the principles and management of acute cardiovascular disease including definite or suspected acute myocardial infarction and its complications, unstable angina pectoris, life threatening cardiac arrhythmias and conduction disturbances, severe congestive heart failure, hypotension, and shock. In addition, the student will become familiar with procedures used in the coronary care unit setting such as pulmonary artery catheterization, arterial pressure monitoring, and temporary transvenous pacemaker insertion.

**MED 481 Infectious Diseases 1-4 cr**

The elective in Infectious Diseases is designed around the consultation service and the outpatient clinics. Consultations are seen from the medical and surgical services, burn center, medical and surgical intensive care units, pediatric service and from the obstetrical and gynecological services. A wide ranging spectrum of disease is seen including infectious endocarditis, bacterial meningitis, pneumonia, complications of Acquired Immunodeficiency Syndrome, ICU associated infections, etc. Students also spend 1/2 day per week at the Mobile County HIV clinic supervised by the ID faculty.

**MED 484 Gastroenterology 1-4 cr**

The clinical elective is a highly structured program designed to provide the student exposure to digestive disorders and physiology. The rotation has patient case experience at USA Medical Center, USA Knollwood Park Hospital, and ambulatory clinics. There are didactic lectures, conferences, case-based syllabus teaching, and interactive sessions, with electronic media as well as some formal training in nutrition. Students spend time with private gastroenterologists in their practices.

**MED 492 Rheumatology 1-4 cr**

Responsibilities of the student will include evaluation of all inpatient consults, and the initial or follow-up evaluation of a number of patients seen in the Health Services Foundation outpatient facilities. Following the initial evaluation by the student the entire history and physical (for new patients) or a follow-up evaluation for old patients will be presented to the attending. Therefore, the major student responsibilities will be clinical evaluation and presentation. In addition, the student is expected to read the Primer on the Rheumatic Diseases provided for them and additional recommended literature. Dr. Hardin or a rheumatology attending will spend 1-2 hours a day in pure teaching activities. In addition, all patients evaluated by the student will be seen with an attending.