

# MEDICINE (MED)

## **MED 7043. Immunology. 3 Clock Hours.**

Prerequisites: Foundations in Biomedical Sciences (BMSC 5003) or equivalent. This course provides an advanced understanding of immunological processes, including innate and adaptive immune responses, antigen presentation, and immunological memory. The course also covers immune system dysfunctions, such as autoimmunity and immunodeficiencies, and explores the role of the immune system in cancer and infectious diseases. (F, SP; I)

**Course Type:** Lecture

## **MED 8100. Spirituality in Medicine. 40 Clock Hours.**

Prerequisites: None. This one-week elective course is to include an introduction to spirituality in medical situations and dilemmas, exposure to various faith traditions to encourage spiritual sensitivity, exposure to palliative care through a hospice visit, and consideration of spiritual challenges experienced by providers.

**Course Type:** Lecture

## **MED 8250. Principles of Clinical Medicine II. 0-160 Clock Hours.**

Assisting the student in gaining an appreciation of the patient-physician encounter and developing and refining the techniques of history taking and physical examination.

**Course Type:** Lecture

## **MED 9101. Geriatrics and Palliative Medicine Selective. 80 Clock Hours.**

Prerequisites: MS 3 or MS 4 Standing. Students will be taught via didactics, readings, and direct patient care. The rotation provides an opportunity for the student to gain foundational knowledge and explore career options in Geriatrics Palliative Medicine. (Summer, Fall, & Spring III & IV)

**Course Type:** Clinical

## **MED 9230. Ambulatory Care/Medicine. 160 Clock Hours.**

Ambulatory clinic experience providing individualized supervision and instruction for each patient seen. Patients may have intermittent acute disease or short/long term chronic disease.

**Course Type:** Clinical

## **MED 9236. Combined Medicine/Pediatric Elective. 160-200 Clock Hours.**

Prerequisites: Satisfactory completion of clerkships in Internal Medicine and Pediatrics. The purpose of this course is to provide medical students with exposure to the scope of combined Medicine/Pediatrics practice through a combination of inpatient and ambulatory experiences.

**Course Type:** Clinical

## **MED 9246. Vascular Medicine. 1-160 Clock Hours.**

The vascular medicine rotation provides experience for initiating proficiency in the diagnosis and treatment of peripheral vascular, arterial, and lymphatic disorders. This is to be accomplished by participation in in-patient and out-patient care, vascular laboratory activities, vascular conference discussions, observations of radiologic intervention and intra-operative arterial reconstruction, as well as didactic sessions and presentations.

**Course Type:** Clinical

## **MED 9248. Clinical Rheumatology. 160 Clock Hours.**

Experience in clinical rheumatology. Didactic experience, directed reading and clinical work, including active involvement in the care of patients with common as well as unusual collagen vascular diseases, utilizing facilities of several hospitals and clinics. Experience may be customized for students interested in research.

**Course Type:** Clinical

## **MED 9249. Geriatrics-The Internal Medicine Perspective. 1-160 Clock Hours.**

Study of evaluation, maintenance, and improvement of level of functioning in chronically ill, but medically stable aging patient. Student will participate as part of a multi-disciplinary team at the VA in evaluation & rehabilitation of patients after deconditioning secondary to acute illness. Student will be expected to participate in management of patients, become familiar with geriatric syllabus, possibly participate in journal club, and attend clinic once a week.

**Course Type:** Clinical

## **MED 9250. Medicine Clerkship. 298-320 Clock Hours.**

Prerequisites: Promotion to year 3 in program. An eight-week experience with adult inpatients with non-surgical illnesses at various levels of activity and complexity. Students will learn the application of the clinical method, development of a therapeutic relationship, effective medical record-keeping, and efficient utilization of resources.

**Course Type:** Clinical

## **MED 9251. Student Externship at VAMC/Presbyterian Tower. 160 Clock Hours.**

Working with a regular ward team, the student extern will admit one to three patients per week, take admitting calls with a resident, attend curriculum conferences and medical grad rounds except when patient care needs supervene, and meet weekly with selected faculty at the VAMC and OU Medical Center for review purposes.

**Course Type:** Clinical

## **MED 9252. Computers In Medicine. 160 Clock Hours.**

A multidisciplinary overview of computer applications in the medical field. Workshops and lectures will focus on literature-retrieval, electronic medical record, voice recognition, decision support, and practice management systems. Students will be exposed to software, hardware, and networks through lectures, small group discussions, demonstrations, tours, and hands-on experience.

**Course Type:** Lecture

## **MED 9253. Student Externship-St. Anthony Hospital. 160 Clock Hours.**

A team consisting of a medical resident, attending physician and student will manage general patients. Selected readings and conference participation are essential components of this elective.

**Course Type:** Clinical

## **MED 9258. Clinical Allergy-Oklahoma Allergy & Asthma Clinic. 80-160 Clock Hours.**

Basic clinical allergy primarily through supervised patient contact, supplemented by assigned reading and tutorial discussions. Coordinated studies in other areas of clinical immunology can be arranged. Schedule and content will be individualized on the basis of the student's needs and goals.

**Course Type:** Clinical

**MED 9261. Pulmonary Medicine. 80-160 Clock Hours.**

Prerequisites: None. May be repeated; maximum credit 160 hours. Participants gain experience in the evaluation and management of common clinical problems in chest disease including perioperative care and ventilatory support, pulmonary infections and neoplasm, and less common disorders, such as sarcoidosis, fibrotic lung disease, and pulmonary hypertension.

**Course Type:** Clinical

**MED 9264. Clinical Nephrology. 160 Clock Hours.**

Evaluate inpatients and outpatients with a variety of renal, fluid/electrolyte, acid/base, and hypertensive disorders. Participate in small-group discussions on clinical renal-electrolyte pathophysiology and interpretation of renal biopsies.

**Course Type:** Clinical

**MED 9266. Hematology/Oncology OU Medical Center. 160 Clock Hours.**

Clinical experience with the diagnosis of anemia, erythrocytosis, white-cell disorders, problems with hemostasis and thrombosis, the diagnosis and management of paraneoplastic syndromes and cancer. Learn to interpret bone marrow smears, understand the modalities of cancer therapy, and develop appreciation for the natural history of patient-physician relationships in patients with cancer.

**Course Type:** Clinical

**MED 9271. Cardiac Critical Care - Veterans Adm Med Center. 160 Clock Hours.**

Clinical responsibility in CCU and PCCU dealing with the diagnosis and management of myocardial infarction and other acute cardiac disease, arrhythmia, shock, and hemodynamic monitoring. Attendance at rounds and cardiology conferences.

**Course Type:** Clinical

**MED 9272. Critical Care Medicine. 160 Clock Hours.**

Primary patient responsibility in the intensive care unit, under the immediate supervision of the medical resident, pulmonary fellow, attending physician and the general supervision of the director. Participate in detailed patient care, including significant responsibility during every fourth-night call.

**Course Type:** Clinical

**MED 9274. Critical Care Medicine - VA/MICU. 160 Clock Hours.**

Clinical responsibility in MICU dealing with the management of acute cardiac disease, respiratory failure and mechanical ventilation, coma, renal failure, peritoneal dialysis, gastrointestinal hemorrhage, and other critical conditions.

**Course Type:** Clinical

**MED 9275. Introduction To Preventive Cardiology. 160 Clock Hours.**

Prerequisites: Must have permission form signed by Dr. Wild prior to enrolling in course. This course provides an introduction to Preventive Cardiology theory and practice. Both preceptors are Board certified in Clinical Lipidology. The major focus is the practice of prevention. The experience will be split between the two preceptors with emphasis on how Clinical Lipidology integrates with Cardiology and how Clinical Lipidology is integrated into Women's Health. Venues are Women's clinic, The VA, the Private office and on those patients who are in need of hospitalization. Evidence-Based Principles of lifestyle modification, and medical intervention are stressed.

**Course Type:** Clinical

**MED 9276. Clinical Cardiology-Veterans Adm Med Ctr & OU Medical Center. 80-160 Clock Hours.**

Participation in the cardiology consultation service and cardiology clinics. Experience will include history-taking and cardiovascular physical exam, the use and interpretation of non-invasive tests such as electrocardiography, echocardiography, exercise testing, and nuclear studies; the interpretation of hemodynamic studies and angiography, and the therapy of cardiac disease. Goals are to reinforce and update the principles of diagnosis and management of common cardiac diseases.

**Course Type:** Clinical

**MED 9277. Cardiology-Presbyterian Hospital. 160 Clock Hours.**

Experience in the diagnostic workup and management of patients with cardiovascular disease including acute coronary care, clinical electrocardiography, cardiac catheterization, and coronary arteriography.

**Course Type:** Clinical

**MED 9278. Cardiology-Baptist Medical Center. 80-160 Clock Hours.**

General cardiology in the intensive care unit and on the regular cardiac service in cardiac catheterization and angiography, EKG, and echocardiography, and pre-surgical care.

**Course Type:** Clinical

**MED 9280. Cardiac Critical Care - OU Medical Center Hospitals. 160 Clock Hours.**

Experience will focus on the diagnosis and management of cardiac diseases as seen in the coronary care unit and PCCU, under the direct supervision of attending physicians, fellows, and residents. Attendance at rounds and cardiology conferences.

**Course Type:** Clinical

**MED 9282. Infectious Disease - University Hospital & Va Adm Medical Ctr. 80-160 Clock Hours.**

May be repeated; maximum credit 320 hours. Opportunity to use principles of infectious diseases and gain knowledge of pathogenesis, diagnosis, and therapy of infectious disease.

**Course Type:** Clinical

**MED 9283. Endocrinology, Metabolism And Hypertension-PPB, PT, and VAMC. 160 Clock Hours.**

Prerequisites: None Students will gain experience in the care of patients with diabetes and endocrine diseases by working with attending physicians, fellows, residents, and interns in both in-patient and out-patient settings. Didactic lectures by attending physicians and fellows provide a basis for understanding pathophysiology of diabetes and endocrine conditions.

**Course Type:** Clinical

**MED 9284. Clinical Gastroenterology And Nutrition-OU Medical Center/V A Hosp. 160 Clock Hours.**

Students participate in consultations, clinical rounds and procedures, learning when to order and how to interpret the diagnostic tests used in gastroenterology and nutrition. Conferences will provide additional in-depth discussions on pathology, physiology and diagnostic radiology as they relate to clinical gastroenterology and nutrition.

**Course Type:** Clinical

**MED 9286. Gastroenterology - Presbyterian Hospital. 160 Clock Hours.**

Intensive experience in clinical gastroenterology & medical endoscopy at Presbyterian Hospital. Participate in the Evaluation & treatment of primary & consultative patients with gastrointestinal disease, usually complicated, with emphasis on pathophysiology of gastrointestinal disease, gastrointestinal radiography, gastrointestinal pathology & psychosomatic aspects of gastrointestinal disorders. Participate in common gastrointestinal diagnostic maneuvers including intubation, proctosigmoidoscopy, liver biopsy, & paracentesis.

**Course Type:** Clinical

**MED 9288. Clinical Infectious Disease-Baptist Hospital. 160 Clock Hours.**

Clinical infectious diseases consultation service rotation. The principles of antibiotic selection and use are stressed.

**Course Type:** Clinical

**MED 9289. Infectious Disease-Presbyterian Hospital. 160 Clock Hours.**

Consultative experience in infectious diseases, under the direction of attending faculty, including conferences at Presbyterian Hospital.

**Course Type:** Clinical

**MED 9325. Advanced Internal Medicine. 80-160 Clock Hours.**

May be repeated; maximum credit 520 hours. This course provides the opportunity to explore one or more content areas by focusing on a defined clinical experience and the student's specific learning objectives. Content areas include: cardiology, emergency medicine, endocrinology, geriatrics, gastroenterology, hematology/oncology, nephrology, rheumatology, general medicine- inpatient (subinternship), and general medicine-outpatient (sub- internship). Content areas must be identified in advance. Students are expected to identify their learning objectives at the beginning.

**Course Type:** Clinical

**MED 9572. Community Health II - Tulsa. 80 Clock Hours.**

Prerequisites: Approval from Associate Dean for Academic Services and student must be in and remain in good academic standing in order to participate in the Bedlam Clinic. May be repeated; maximum credit 160 hours. The purpose of this elective is to allow the student to spend a period of time in full time study working directly with a faculty member to further enhance the student's clinical and/or research skills. The elective may be repeated with a change of subject matter. The purpose of this elective is to allow the student to spend a period of time in full-time study working directly with a faculty member to further enhance the student's clinical and/or research skills. The elective may be repeated with a change of subject matter.

**Course Type:** Clinical

**MED 9700. Internal Medicine Longitudinal Integrated Clerkship. 0-298 Clock Hours.**

Prerequisites: Third-year medical student in good standing at the School of Community Medicine. This course is a clinical experience with adult inpatients with non-surgical illnesses at various levels of activity and complexity. Students will learn the application of the clinical method, development of a therapeutic relationship, effective medical record-keeping, and efficient utilization of resources. (R; III).

**Course Type:** Clinical

**MED 9960. Off-Campus Elective in Medicine. 80-160 Clock Hours.**

Prerequisites: Approval of Visiting School and OU Department Course Director. May be repeated; maximum credit 320 hours. An off-campus elective is defined as work not at the Health Sciences Center, College of Medicine-Tulsa, or in a formally affiliated hospital; nor under the direct supervision of a member of the full-time faculty of the College of Medicine. A statement from the course director of the proposed elective concerning the supervision and grading of student's experience and a detailed course description of the proposed elective are required.

**Course Type:** Clinical

**MED 9970. Medicine Off-Campus Elective. 80-160 Clock Hours.**

Prerequisites: Approval of the head of the academic department of the Tulsa Medical College campus under which the off campus service falls, a statement from the course director of the proposed elective concerning the supervision and grading of the student's experience, and a detailed course description of the proposed elective are required. May be repeated; maximum credit 480 hours. May be repeated; maximum credit 480 hours. Credit given for work not at the Health Sciences Center, College of Medicine-Tulsa, or in a formally affiliated hospital, nor under the direct supervision of a member of the full-time faculty of the College of Medicine.

**Course Type:** Clinical

**MED 9980. Special Studies. 1-320 Clock Hours.**

Prerequisite: None. May be repeated with change of subject, multiple enrollment in the same semester, maximum 320 clock hours. Topics of special nature or of unusual interest to the individual student.

**Course Type:** Clinical

**MED 9990. Medicine Special Studies. 1-320 Clock Hours.**

May be repeated; maximum credit 320 hours. Final product will be a formal presentation, such as grand rounds, academic afternoon, research day or a major meeting, and/or a publication quality paper.

**Course Type:** Clinical