Kansas City Clinical Required Course Descriptions

Third Year Requirements

FAPR 955. Family Medicine Clerkship. 0-8 Hours.
Students are introduced to the principles and practice of family medicine. They spend the majority of their time participating in the practice of a private family physician where they evaluate patients under direct supervision and recommend management. This practice experience is enhanced by case-based seminars and skills-based workshops with faculty and hospital call with family medicine residents. Evaluation is based on assessment by clinical supervisors, projects, a departmental exam, and the NBME Family Medicine Subject Exam. Prerequisite: Completion of Phase I (Years 1 and 2). CLN.

GERO 900. Geriatric Medicine Clerkship. 4 Hours.
This required 4-week Year 3 clerkship is sponsored by the Landon Center on Aging in collaboration with the Departments of Family Medicine, Internal Medicine, and Physical and Rehabilitation Medicine. The student will participate in the evaluation and care of older adults, with emphasis on the aging process and geriatric syndromes in both frail and successfully aging older adults. Students participate as a member of the health-care team in the medical practices of primary care physicians and geriatricians providing care to older adult patients. They help provide ambulatory care to older adults, as well as care in a variety of community-based long term care settings such as assisted living and nursing facilities, hospice, and home care. By the conclusion of this clerkship the students will be able to describe how to identify and address geriatric syndromes, expected decline of organ functions with aging, behavioral characteristics of the aged, special problems of drug treatment of older adults, and special strategies for providing medical care to complex older adult patients. Clinical experiences are augmented by web-based modules on geriatric topics, facilitated case discussions, and workshops. Evaluation is based on assessment of clinical performance by faculty members, an objective structured clinical exam, seminar participation, and a departmental written exam. Prerequisite: Medical Basic Science and Completion of Phase I (Years 1 and 2). CLN.

GYNO 900. OBSTETRICS/GYNECOLOGY CLERKSHIP. 0-6 Hours.
During this clerkship the student develops understanding of disease in women through history, physical examination, and laboratory studies. The clerkship includes study of biochemical, anatomical, and physiological changes of normal pregnancy and the effect of disease in altering the course of reproduction. Prerequisite: Medical Basic Sciences. FLD.

ICM 900. Issues in Clinical Medicine. 0 Hours.
This course enables students to apply the theoretical framework developed in ICM 801/802 and 850/851 to the patient care activities in which they participate during third-year clerkships. Through lectures and small group discussions students examine the ethical, legal and social aspects of medical practice and application of key principles to clinical practice. Students also explore career opportunities in medicine and factors to be considered in choosing a medical specialty. Students are evaluated through written assignments and participation in course activities. LEC.

MED 900. Internal Medicine Clerkship. 0-8 Hours.
General medicine orientation. Students will be assigned to Kansas University Medical Center, Bethany Medical Center, and Kansas City Veterans Administration Hospitals. FLD.

NEUR 900. Neurology Clerkship. 4 Hours.
The required four-week Neurology Clerkship is intended to familiarize students with the diagnosis and treatment of major neurological disorders. Effective interviewing and diagnostic skills, and competent performance of the neurological examination are emphasized. Students have an active closely supervised role in the diagnosis and treatment of both hospitalized and ambulatory patients. Clinical experience is accompanied by a didactic schedule of lectures, seminars, and practical-interactive learning sessions. Prerequisite: Completion of Phase I (Years 1 and 2). CLN.

PED 900. GENERAL PEDIATRICS CLERKSHIP. 0-6 Hours.
The student's activities will include rotations on the pediatric inpatient wards (taking histories, examining children, and making daily ward rounds with staff physicians) and the outpatient clinics and newborn nursery. Student evaluations are based primarily upon clinical performance, assessment of problem-solving skills and performance on a written multiple-choice examination given at the end of the clerkship. Offered in modules I and II, III and IV, V and VI, VII and VIII, IX and X, XI and XII. Prerequisite: Medical Basic Sciences. FLD.

PYCH 955. Psychiatry Clerkship. 4 Hours.
The required four-week basic Psychiatry Clerkship is intended to familiarize students with the diagnosis and treatment of major psychiatric disorders. Effective interviewing and diagnostic skills, and competent performance of the mental status examination is emphasized. Students have an active closely supervised role in the diagnosis and treatment of both hospitalized and ambulatory patients. Clinical experience is accompanied by a didactic schedule of lectures, seminars, and practical-interactive learning sessions. Prerequisite: Completion of Phase I (Years 1 and 2). CLN.

SURG 900. Junior Surgery Clerkship. 0-8 Hours.
Surgical problems and diseases are studied utilizing lectures, skills laboratory experiences, study questions, clinical problem discussion and live patients. This course prepares the student to meet the pertinent aspects of the summative competencies of the University of Kansas School of Medicine during the third year of Medical School. A particularly useful goal of this course is to teach the student to identify life-threatening conditions that require urgent intervention. Although the skills of this course are necessary for an ambulatory practice, the skills that are taught in this course are most frequently seen and performed in the hospital setting. The student is expected to have a basic understanding of normal and abnormal body function. The student is expected to have completed successfully the basic course in physical diagnosis (years 1 and 2 of medical school). Prerequisite: first and second year medical years. LEC.

Fourth Year Requirements

PMD 960. Population Health in Practice. 4 Hours.
This required clerkship is designed to instruct fourth-year medical students about population-based approaches to health care and to facilitate the application of epidemiologic principles to clinical decision making. Using some of the basic concepts described under the auspices of community oriented primary care, students will learn how to define specific populations, ascertain their health care needs, formulate interventions to meet those needs and evaluate the impact of those interventions. Learning opportunities will develop and reinforce concepts related to health services organization and delivery, community dimensions of medical practice, occupational and environmental
Subinternships (4)

The four-week subinternship gives medical students an opportunity to become more proficient in a specific area of medicine. They provide a more comprehensive course than that of the third-year required course. Students select one of the following options to fulfill the requirement.

FAPR 901. Subinternship in Family Medicine. 4 Hours.
This clerkship is designed to prepare students for the responsibilities encountered as a first-year resident. Students will be required to perform the following: 1) actively participate in the management of a panel of inpatients on the Family Medicine Service, 2) participate in the care of outpatients in the Family Medicine Clinic, 3) take one in-house call weekly, and 4) take one OB call weekly. In fulfilling these responsibilities, some weekend participation will be necessary. Students will be expected to complete the same objectives listed in FAPR 950, but do so in an advanced manner incorporating a well-developed and organized approach to multifaceted clinical issues accompanied with a keen perception of non-clinical factors involved in Family Practice. A resident level examination will be administered covering both inpatient and outpatient topics. LEC.

GYN 901. Subinternship in Obstetrics and Gynecology. 4 Hours.
The objective of this clerkship is to provide students with advanced experience in obstetrics and gynecology. Students will be assigned to the Obstetrics and Gynecology Service at KUMC. Students will participate in the management of common obstetrical and gynecologic conditions in a role similar to that of a resident. Clinical work will be supplemented by conferences and other educational activities. This clerkship fulfills the Subinternship Selective requirement. LEC.

MED 908. Subinternship in Internal Medicine. 4 Hours.
The objective of this clerkship is to provide students with advanced experience in the management of acutely ill medical patients. Students will be assigned to one of five locations: KUMC; the Kansas City VAMC; the Leavenworth VAMC; or St. Catherine's Hospital, Garden City.

Students will participate in the diagnosis and treatment of common medical conditions in a role similar to that of a resident. Clinical work will be supplemented by conferences and other educational activities. This clerkship fulfills the Subinternship Selective requirement. LEC.

OTOR 901. Subinternship in Otolaryngology. 4 Hours.
The objective of this clerkship is to provide students with advanced experience in otolaryngology. Students will be assigned to the Otolaryngology Service at KUMC. Students will participate in the management of common ENT conditions in a role similar to that of a resident. Clinical work will be supplemented by conferences and other educational activities. This clerkship fulfills the Subinternship Selective requirement. LEC.

PED 910. Subinternship in Pediatrics. 4 Hours.
This selective is an extension of the basic pediatric clerkship. It is designed to permit senior medical students to take increasing responsibility of patient care under close supervision of the faculty. Students will learn skills in patient management by active participation in the daily activities of the pediatric residency program. This selective is entirely clinical. The student will work on the Pediatric Inpatient Unit at KUMC. Student performance will be evaluated by the faculty based on factual knowledge, practical skills, problem-solving abilities, and personal behavior and values. On the first day of the rotation, students will report to the senior pediatric resident assigned to the pediatric floor. Prerequisite: PED 900 or equivalent. LEC.

PED 914. Philmont Adolescent Medicine. 4-8 Hours.
The Philmont Adolescent Medicine experience is in the high altitude environment at Philmont Scout Ranch in New Mexico. Students learn health screening, care of sports injuries, and diagnosis and management of pediatric, medical, surgical, gynecologic problems, primarily of teenagers, but also of children and adults. Supervision of students consists of faculty members from Medicine Pediatrics, Surgery, Neurology, Family Practice, Gynecology, and Physical Medicine in an effort to give well rounded educational guidance to the students. National Board, Part 1, must be passed in order to receive clinical elective credit. One four week experience only counts toward clinical electives requirements. Permission of Instructor. Prerequisite: Physical Diagnosis, Pathology and Pharmacology. FLD.

PED 918. Pediatric Subinternship Selective - Outpatient. 4 Hours.
This selective is an extension of the basic pediatric clerkship. It is designed to permit senior medical students to take increasing responsibility of patient care under close supervision of the faculty. Students will learn skills in patient care by active participation in the daily activities of the pediatric outpatient clinic. This selective is entirely clinical. The student will work in the Pediatric Outpatient Clinic at KUMC in a variety of clinics. The specific clinics will be assigned by the Chief of the Ambulatory Pediatric Section after consultation with the student. Student performance will be evaluated by the faculty based on factual knowledge, practical skills, problem-solving abilities, and personal behavior and values. This course can still be taken for elective credit even if a student already has met the subinternship selective requirement. Prerequisite: PED 900 or equivalent. FLD.

PYCH 901. Subinternship in Psychiatry. 4 Hours.
The student will function as an intern on the Adult and Child Psychiatric Services at the University of Kansas Medical Center and Kansas City VA Hospital. Each student will work closely with faculty and residents and will have an important role in the team care of hospital patients. The course is designed to provide a transitional experience between the predoctoral and residency stage of medical education allowing the student the opportunity to take more responsibility for patients with support and active teaching provided by faculty and residents. LEC.
SURG 901. Subinternship - Plastic Surgery. 4 Hours.
This course is designed to provide advanced experience to medical students the diagnosis and management of plastic surgery patients. Additionally, concepts taught during surgery 900 are reemphasized in greater detail. Ward rounds, clinical conference seminars and care studies supplement the clinical experience. An optional laboratory experience providing in-depth introduction to microvascular surgery can be arranged. Emphasis is placed on an understanding of the principles and surgical anatomy of areas of plastic surgery including congenital, trauma, tumor and cosmetic. Students are expected to participate with the surgical team in the diagnosis and management of plastic surgery patients. It is expected that the student will participate, when possible, at a resident level of responsibility. The student participates directly in patient care on the wards, in the outpatient clinics and in the operation room. Prerequisite: SURG 900, MED 900. LEC.

SURG 902. Subinternship in Surgery. 4 Hours.
The student will be expected to participate with surgical team in the diagnosis, operation, and management of surgical patients. It is expected that the student will participate, as possible, at a resident level of responsibility. Ward rounds, clinical conference, seminars, and case studies supplement clinical experience. The student participates directly in patient care on the ward, in the outpatient department, and in the operating room. Emphasis is placed on an understanding of alterations in physiology secondary to pathology, management of fluids and electrolytes, basic elements of pre- and post-operative care, and diseases amenable to surgical treatment. In addition, concepts taught during Surgery 900 are reemphasized and considered in more detail. We can accommodate 6 students in Modules I-XII. Prerequisite: SURG 900 and MED 900. LEC.

SURG 909. Surgery Subinternship-Neurosurgery. 4 Hours.
This course is designed to provide advanced experience to the student in the management of neurosurgical problems. The student is assigned to the neurosurgical service at the University Hospital for four weeks. Students will participate with the surgical team in daily rounds, diagnosis, outpatient experience, operative experience and post-operative management of neurosurgical patients. Emphasis is placed on an understanding of neurologic disease with special emphasis in physical exam and diagnosis, management of basic neurosurgical emergencies and management of common neurosurgical problems. Accommodates three students in Modules I-XII. Prerequisite: SURG 900 and MED 900. LEC.

SURG 910. Surgery Subinternship-Urology. 4 Hours.
This course is designed to provide advanced experience to the student in the diagnosis and management of genitourinary disease. The student is assigned to the Urology Service at KUMC or the VA Hospital for four weeks. Students are expected to participate with the urologic patients. It is expected that the student will participate, as possible, at a resident level of responsibility. Ward rounds, clinical conference, seminars and case studies supplement clinical experience. The student participates directly in patient care on the ward, in the outpatient department, and in the operating room. Emphasis is placed on an understanding of alterations in physiology, secondary to pathology of the genitourinary tract, and diseases amenable to surgical or medical treatment. The student is expected to become familiar with the diagnostic procedures and techniques used in evaluating patients with acute and chronic genitourinary problems (i.e. cystoscopy). The out-patient experience is particularly emphasized. By the end of the clerkship, the student should be able to describe risk factors, epidemiology, etiology, diagnosis, management strategy, prognosis, including sequelae, and preventive measures for common urologic problems. We can accommodate two students at KUMC and two students at VAH. This will be offered in Modules I-XII. Prerequisite: SURG 900 and MED 900. FLD.

SURG 915. Subinternship-Orthopaedic Surgery. 4 Hours.
This subinternship is designed to allow the student to participate in orthopedic clinical care. The student is assigned to the orthopedic surgical service at KUMC for four weeks. The student participates with the orthopedic surgery team in the diagnosis, surgical treatment and postoperative management of orthopedic patients. The student will participate directly in care of patients in the emergency department, operating room, intensive care unit and orthopedic ward. Emphasis is placed on the understanding of pre-op, intra-op and postop care of the orthopedic patient. There is a limit of 4 students per rotation. Prerequisite: Successful completion of basic clinical clerkships. CLN.

Critical Care (4)
The four-week critical care selective presents the knowledge, skills, and attitudes required to care for very ill hospitalized patients. This allows the student to focus on an interest in a particular specialty and ensures that all students have basic knowledge and skills in critical care. Students select one of the following options to fulfill the requirement.

ANES 911. Critical Care: Post-Anesthesia Unit. 4 Hours.
The objective of this clerkship is to provide students with experience in the management of critically ill patients. Students will participate in the diagnosis and treatment of patients in the KUMC Post-Anesthesia Unit. Clinical work will be supplemented by conferences and other educational activities. This clerkship fulfills the Critical Care Selective requirement. LEC.

MED 905. Critical Care: Coronary Care Unit. 4 Hours.
The objective of this clerkship is to provide students with experience in the management of critically ill patients with cardiovascular disorders. Students will participate in the diagnosis and treatment of patients in the KUMC or Kansas City VAMC Coronary Care Unit. Clinical work will be supplemented by conferences, formal and informal lectures and other educational activities. This clerkship fulfills the Critical Care Selective requirement. LEC.

MED 912. Critical Care: Medical Intensive Care Unit. 4 Hours.
The objective of this clerkship is to provide students with experience in the management of critically ill patients. Students will participate in the diagnosis and treatment of patients in the KUMC or Kansas City VAMC Medical Intensive Care Unit. Clinical work will be supplemented by conferences and other educational activities. This clerkship fulfills the Critical Care Selective requirement. LEC.

ANES 926. Critical Care: Neonatology. 4 Hours.
The student will be actively involved in the care and management of the high-risk and acutely ill neonate. Through a clinical participation, tutorial sessions and assigned reading emphasis will be placed on modern neonatal intensive care techniques and developmental physiology and biochemistry. Students may elect additional consecutive four-week periods to pursue aspects of neonatology in more detail, engage in investigatory projects or acquire first-hand experience in the operation of a regionalized program for care of high-risk or acutely ill neonates in the state. Students wishing this additional four weeks should contact the Pediatric Department. LEC.

PED 930. Critical Care: Pediatric Intensive Care Unit. 4 Hours.
Principles of ongoing assessment and management of critically ill children with single and multiple organ failure will be presented. The teaching format will be formal and informal rounds at the bedside in the KUMC Pediatric ICU by faculty members of the Pediatric Critical Care Division. Integration of history-taking, physical examination skills, and laboratory
and radiological assessment with pathophysiology will be emphasized.
LEC.

**SURG 927. Critical Care: Burn Center. 4 Hours.**
The objective of this clerkship is to provide students with experience in the management of critically ill patients. Students will participate in the diagnosis and treatment of patients in the KUMC Burn Center. Clinical work will be supplemented by conferences and other educational activities. This clerkship fulfills the Critical Care Selective requirement. LEC.

**SURG 928. Critical Care: Neurosurgical Intensive Care Unit. 4 Hours.**
The objective of this clerkship is to provide students with experience in the management of critically ill patients. Students will participate in the diagnosis and treatment of patients in the KUMC Neurosurgical Intensive Care Unit. Clinical work will be supplemented by conferences and other educational activities. This clerkship fulfills the Critical Care Selective requirement. LEC.

**SURG 929. Critical Care: Surgical Intensive Care Unit. 4 Hours.**
The objective of this clerkship is to provide students with experience in the management of critically ill patients. Students will participate in the diagnosis and treatment of patients in the KUMC Surgical Intensive Care Unit. Clinical work will be supplemented by conferences and other educational activities. This clerkship fulfills the Critical Care Selective requirement. LEC.