The Department of Surgery offers an introduction to surgical diseases as part of the required medical science course, Junior Surgery Clerkship. After successful completion of this phase of education, electives are offered in the surgical specialties and other surgical disciplines. These courses offer more specific and in-depth exposure than the basic core course.

**SURG 911. Clinical Clerkship in General Surgery—Veterans Administration Medical Center. 4 Hours.**
This is a clerkship at VA Medical Center (Kansas City or Leavenworth) in which the basic principals of patient evaluation and care are emphasized. Students practice the skills of history taking, physical examination, diagnostic procedures and of direct observation of the pathologic processes in assigned patients in the clinic, wards and operating room. Students participate in appropriate surgical and multidisciplinary conferences in which clinical problems are related to basic sciences and in which the expectations and the limitations of surgical treatment are discussed in clinical situations. Evaluation is based on clinical performance. Offered in Modules I-XII. Prerequisite: SURG 900 FLD.

**SURG 913. Clinical Clerkship in Plastic Surgery. 4 Hours.**
The medical student participates as an intern, functioning in the clinics, wards and operating room as an integral part of the service. Evaluation is based on clinical performance. Offered in Modules I-XII. Prerequisite: SURG 900. FLD.

**SURG 914. Clinical Clerkship in Orthopedic Surgery. 4 Hours.**
The principles of orthopedic evaluation and care are emphasized. Responsibility is to function as an extern in the clinics, the wards and the operating room. Evaluation is based on clinical performance. Offered in Modules I-XII. Prerequisite: SURG 900. FLD.

**SURG 916. Surgical Oncology. 4 Hours.**
This rotation for medical students at a clinical level is designed to expose the student to procedures and techniques of modern surgical oncology. This experience includes: (1) Seeing all surgical oncology inpatient and outpatient consultations with the staff, (2) Operating room observation and participation with major cancer ablative procedures; e.g., radical lymphadenectomies, pelvic exenteration, major organ resections etc., (3) Clinical and laboratory exposure to immunotherapy and basic cancer immunology, (4) Exposure to special chemotherapeutic procedures; e.g., arterial infusion and perfusion, (5) Attendance at the combined medical surgical conference. The specific duties for each individual student is defined at the beginning of each module and will be changed to fit the specific needs and desires of each student. Evaluation is based on clinical performance. Offered in Modules I-XII. Prerequisite: SURG 900. FLD.

**SURG 917. Clinical Clerkship in Urologic Surgery. 4 Hours.**
This course is limited to one medical student at a time who has completed the Basic Surgery Clerkship, Surgery 900. Experience consists of care and evaluation of outpatients and inpatients requiring urologic diagnosis. Tutorial instruction and conferences are the prevalent means of instruction. Evaluation is based on clinical performance. Offered in modules I-XII. Prerequisite: SURG 900. FLD.

**SURG 918. Clinical Clerkship in Neurologic Surgery. 4 Hours.**
The principles of patient care and the physiological basis of neurological diagnosis are stressed. Experience consists of care and evaluation of outpatients and inpatients requiring neurosurgical diagnosis and treatment. Evaluation is based on clinical performance. Offered in Modules I-XII. Prerequisite: SURG 900. FLD.

**SURG 921. Special Surgical Elective. 4 Hours.**
Special clerkships or assignments not included in other elective courses which may be prearranged with and must be approved by the Course Director, Surgery 900, the Education Council, and the Department of Surgery. Evaluation is based on performance as determined by the sponsoring faculty member. Offered in Modules I-XII. Prerequisite: SURG 900 and by special arrangement with the section chief. FLD.

**SURG 923. Care of Critically Ill Surgical Patient. 4 Hours.**
The basic purpose of this clerkship is to provide the student with an opportunity to observe the management of the critically ill surgical patient. A physiological approach to the management of the surgical patient with shock, sepsis, renal failure, respiratory and cardiac failure is stressed. The student participates in the management and care of critically ill patients by assisting in the interpretation of physical the laboratory findings and proposing management responses to these findings. The student is encouraged to participate in ongoing clinical studies. An adjacent fully equipped laboratory is available for student use. Evaluation will be based upon clinical performance. Offered in Modules I-XII. FLD.

**SURG 925. Ambulatory Specialties Selective in Urological Surgery. 2 Hours.**
To optimize the health of men, women, and children, physicians must be able to diagnose, manage, and provide preventive advice concerning a wide range of conditions and symptoms pertaining to the genitourinary tract. The process depends on adequate patient assessment and appreciation of the epidemiology and pathophysiology of individual conditions, and the appropriate use of medical, surgical, and other interventions. Students will be on service in two week blocks. During that time they will participate in the following activities: Observe procedures in-patient and out-patient, out-patient experience at KUMC at the KC-VA, tutorial sessions, conferences, and in-patient rounds. LEC.

**SURG 926. Musculoskeletal Medicine. 4 Hours.**
Clinical experience in the evaluation of common orthopedic disorders such as osteoarthritis, osteoporosis, sports injuries, and fractures; students will be involved in out-patient orthopedic clinics, orthopedic clinical conferences, and a directed, individualized study program. Prerequisite: All clinical rotations. CLN.

**SURG 930. Orthopedic Advanced Clerkship. 4 Hours.**
The principles of orthopedic evaluation and treatment are emphasized, through participation in the clinics, in-patient wards, and operating room. In addition, the student will learn relevant anatomy and surgical approaches by functioning as a prosector in the anatomy laboratory. Evaluation is based on clinical performance and participation in the dissections. Prerequisite: Surgery 900 CLN.
SURG 931. Rural Orthopedic Rotation. 4 Hours.
A rural orthopedic rotation in Garden City, Kansas. Students enrolled in this orthopedic rotation can expect to receive room and board from St. Catherine Hospital. The student will be expected to conduct themselves appropriately in a professional office. The student would be expected to conform to the dress code of the office. The educational experience involves a clinical and surgical experience of general orthopedic practice with an emphasis on joint replacement, sports medicine, and hand surgery. The student could be expected to see patients with the attending physician in the office. The patient would be expected to participate in emergency room evaluations of orthopedic patients. The student would be expected to participate in the operating room with the attending physician. The scope of instruction would include musculoskeletal examination, instruction on the pathophysiology of musculoskeletal disease. A comprehensive written and video library is available for the student's use to aid in their education. The student can expect to learn aspects about radiology interpretation of musculoskeletal pathology. The student may also get experience with rehabilitation. The student will have an exposure to issues pertaining to worker's compensation including the opportunity to observe at depositions. Prerequisite: This course is appropriate for third and fourth year medical students with an interest in learning musculoskeletal diagnosis and treatment. CLN.