

# SURGERY - MD (SUR)

## **SUR 098 Pediatric Urology 2-3 cr**

The student will attend pediatric urology clinic on Thursday afternoons from 2-4 p.m. During that time they will see patients in conjunction with the attending faculty and participate in discussions regarding patient management and correlations with basic sciences as they relate to this group of patients.

## **SUR 311 Surgery 8 cr**

The clinical clerkship in Surgery consists of two four-week rotations. The goals of the clerkship are (1) to develop an understanding of the pathophysiology, evaluation, and management of surgical problems commonly encountered in general practice; (2) to provide exposure to general surgery and the surgical subspecialties; (3) to develop basic technical skills; (4) to foster the interest of students considering a career in surgery. These goals are achieved through lectures, case-based discussions, teaching rounds, intraoperative teaching and supervised patient care.

## **SUR 400 Surgery Externship 1-4 cr**

To be determined.

## **SUR 444 Spec Elec-Surgery 1-8 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 Electives 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.

## **SUR 450 Acting Intern - Gen Surgery 1-4 cr**

The student will be taught to perform a complete ophthalmic assessment, including obtaining pertinent details of history, examining the patient utilizing the appropriate equipment, and formulating a management plan. One-to-one instruction by staff will guide the student learning these skills. Using the American Academy of Ophthalmology's Study Guide, the student will review clinically pertinent ophthalmic anatomy, physiology, pathophysiology, diagnosis, and therapy. Observation of contact lens fitting and representative surgical procedures will be encouraged.

## **SUR 451 Acting Intern - Burn Surgery 1-4 cr**

The student will be taught to perform a complete ophthalmic assessment, including obtaining pertinent details of history, examining the patient utilizing the appropriate equipment, and formulating a management plan. One-to-one instruction by the preceptor, Dr. Semple, and associates will guide the student learning these skills. Using the American Academy of Ophthalmology's Study Guide, the student will review clinically pertinent ophthalmic anatomy, physiology, pathophysiology, diagnosis, and therapy. Observation of contact lens fitting and representative surgical procedures are encouraged. The student will accompany the preceptor on hospital rounds and to the O.R.

## **SUR 452 Acting Intern - Surg Crit Care 1-4 cr**

The student will be integrated into the multidisciplinary critical care team which will be comprised of resident and attending physicians, nurses, nutritionist and clinical pharmacologist. Teaching rounds are carried out on a daily basis and constitute the major framework of attending-based education. Small group conferences are also held weekly addressing salient aspects of critical care. Critical Care lectures will be given on a bi-weekly basis.

## **SUR 453 Acting Intern - Trauma Surgery 1-4 cr**

Acting internship experience. Call schedule is flexible. Emphasis is placed on resuscitation procedures and ICU care.

## **SUR 454 Acting Intern - GI&Surg Oncolo 1-4 cr**

The student will serve as an acting intern on the GI surgical service at the USA Medical Center. He/she will function as an intern under the supervision of the surgical faculty. It is anticipated that the student will evaluate a minimum of 10 new outpatients per week in Dr. Richards' and Rider's half-day clinics, participate in 10 major in-patient GI operations a week, and 10 outpatient operations a week with Drs. Richards, Rider and Contreras.

## **SUR 455 Acting Intern - Colorectal Sur 1-4 cr**

## **SUR 456 SUR Oncology:HPB & Melanom Sub 1-4 cr**

The student will function as an intern under the supervision of the surgical faculty. It is anticipated that the student will evaluate a minimum of 4 out-patients per week in clinic and participate in ?3 operations a week. Furthermore, students will have the opportunity to actively participate (i.e. present patients) at any and all of the above conferences.

## **SUR 458 SUR Oncology Breast&Endocrine 1-4 cr**

The student will serve as an acting intern on the Breast & Endocrine surgical service at the USA Medical Center, Mitchell Cancer Institute, and USA Children's and Women's Hospital. He/she will function as an intern under the supervision of the surgical faculty. It is anticipated that the student will evaluate a minimum of 8 out-patients per week in the clinic with and participate in ?5 operations a week.

## **SUR 461 Otolaryngology 1-4 cr**

The objective of this elective is to provide a broad and in-depth experience in otolaryngology problems. This will include both clinical lectures, participation in operating room, clinical and ward duties, and outside reading.

## **SUR 462 Urology 1-4 cr**

Students will participate in the University's Urologic Clinics as well as the care of the inpatient service. The students also will be exposed to the surgical and endoscopic management of urologic diseases and participate in the operating room in these procedures. The elective is useful for students who wish to explore a possible career in urology, but will also be of interest to students who desire a broader exposure to genito-urinary disease than they have had in their previous work.

## **SUR 464 Pediatric Surgery 1-4 cr**

1. Expose the student to general, endoscopic, thoracic and urologic surgical problems in the pediatric age group and the approach to diagnosis, treatment, and follow-up of these problems. 2. (Optional) Develop a basic technical surgical skill set for open and laparoscopic surgery for those students interested in pursuing this opportunity.

## **SUR 465 Plastic & Reconstructive Surg 1-4 cr**

The objective of this elective is to provide some basic knowledge of plastic and reconstructive surgery and to provide an overview of the areas covered, i.e., hand, head, and neck cosmetic surgery and trauma as related to plastic surgery.

## **SUR 466 Surgical Oncology 1-4 cr**

The student will serve on the surgical oncology service of the Mitchell Cancer Institute-University of South Alabama. He/she will be offered a broad educational experience pertaining to the care of patients requiring surgical management of malignancies. The student will function as an assistant under the direct supervision of the surgical oncology faculty.

**SUR 480 Ophthalmology - Rich 1-4 cr**

The student will be taught to perform a complete ophthalmic assessment, including obtaining pertinent details of history, examining the patient utilizing the appropriate equipment, and formulating a management plan. One-to-one instruction by staff will guide the student learning these skills. Using the American Academy of Ophthalmology Study Guide, the student will review clinically pertinent ophthalmic anatomy, physiology, pathophysiology, diagnosis and therapy. Observation of contact lens fitting and representative surgical procedures will be encouraged.

**SUR 481 Ophthalmology - Semple 1-4 cr**

The student will be exposed to all general and subspecialty ophthalmology services, both clinical and surgical. The student will be taught a complete ophthalmic assessment, both history and physical. The course includes a special emphasis on ophthalmic diseases and conditions as they relate to general medicine and general medical practice. The opportunity for a more detailed and in depth exposure exists if the student has an interest in pursuing ophthalmology as a subspecialty. One-to-one instruction by the preceptor, Dr. Semple and associates will guide the student learning these skills. Observation of representative surgical procedures and ophthalmic testing procedures are encouraged. The student will accompany the preceptor on hospital consult rounds and observe in the O. R.

**SUR 482 Clinical Transplant Surgery 1-4 cr**

Students will participate in the clinical activities of the Section of Transplantation. Students will make rounds with the attending staff on a routine basis to review the problems of the patients in hospital. Students will be expected to work up new evaluations in the outpatient clinic, as well as participate in the post-transplant outpatient follow-up. Lastly, students will participate and observe any procedures related to the transplant patients such as kidney transplantation, ultrasound guided biopsies and other surgical procedures.

**SUR 485 Acting Internship-Gen Surgery 1-4 cr**

The student will serve as an acting intern on one of the general surgery services at USA Medical Center or Knollwood Park Hospital. He/she will function as an intern under the supervision of the surgical faculty.

**SUR 487 Trauma Surgery 1-4 cr**

The objective of this elective is to provide exposure in the management of the trauma victim. The student will develop a working fund of knowledge and experience with prehospital emergency care, resuscitation, evaluation of the trauma victim, and critical care management. This rotation is meant to supplement the basic surgery elective by providing an acting internship that focuses on all aspects of trauma care.

**SUR 488 Otolaryngology 1-4 cr**

The objective of this elective is to provide a broad and in-depth experience in otolaryngology problems. This will include both clinical lectures, participation in operating room, clinical and ward duties, and outside reading.

**SUR 489 Urology 1-4 cr**

Students will participate in the University's Urologic Clinics as well as the care of the inpatient service. The students also will be exposed to the surgical and endoscopic management of urologic diseases and participate in the operating room in these procedures. The elective is useful for students who wish to explore a possible career in urology, but will also be of interest to students who desire a broader exposure to genito-urinary disease than they have had in their previous work.

**SUR 490 Surgery Critical Care 1-4 cr**

The student will be integrated into the multidisciplinary critical care team which will be comprised of resident and attending physicians, nurses, nutritionist, and clinical pharmacologist. Teaching rounds are carried out on a daily basis and constitute the major framework of attending-based education. Small group conferences are also held weekly addressing salient aspects of critical care. Critical care lectures will be given on a bi-weekly basis.

**SUR 493 Pediatric Surgery 1-4 cr**

The student(s) on the Pediatric Service will function as a member of the Service and will be expected to participate in all activities of the Service. History and physicals on assigned patients will be evaluated and critiqued. Students are expected to be active participants in the operating room and participate in the postoperative care of all the patients during their rotation. Students will attend all clinics each week and will be expected to perform initial evaluations of clinic patients to be reviewed by the attending. The residents and staff will attempt to notify the student (per their request) of interesting cases during off hours. The student may prepare an oral presentation on a topic mutually selected by the student and attending for presentation to the service. The attending will provide a list of reference books for the student. Teaching rounds will be conducted at least tri-weekly (usually daily). The students will be supervised at all times by the surgical housestaff or attending surgeon.

**SUR 496 Plastic and Reconstruct Surg 1-4 cr**

The objective of this elective is to provide knowledge of plastic and reconstructive surgery and to provide an overview of the areas covered, i.e., hand, head, and neck cosmetic surgery and trauma as related to plastic surgery.

**SUR 499 Burn Surgery 1-4 cr**

Sub-internship experience in patient care. The objective of this elective is to provide knowledge of burn patient care. All aspects of burn care will be learned. This will involve acute management which will develop in the student through knowledge and experience in intensive care techniques, respiratory management, wound care, nutrition, and physiotherapy. The reconstructive management will also be taught and the student will actively participate under supervision in all areas.