

SUR 122

SURGICAL PROCEDURES 1

COURSE DESCRIPTION:

Prerequisites: SUR 110 and SUR 111

Corequisites: SUR 123

This course provides an introduction to selected basic and intermediate surgical specialties that students are exposed to the first clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, the student should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment. Course Hours Per Week: Class, 5. Lab, 3. Semester Hours Credit, 6.

LEARNING OUTCOMES:

Upon successful completion of this course the student will be able to:

- a. Identify the types of surgical procedures performed by general/gastrointestinal surgeons and the anatomic structures involved.
- b. Understand the basic pathology relating to the need for general/gastrointestinal surgical intervention. The student will be able to identify and describe the type of instruments, equipment, sutures, and supplies that are considered the armamentarium of the general/gastrointestinal surgeon.
- c. Identify the types of surgical procedures performed by obstetrical/gynecological surgeons and the anatomic structures involved.
- d. Understand the basic pathology relating to the need for obstetrical/gynecological intervention. The student will be able to identify and describe the type of instruments, equipment, sutures, and supplies that are the armamentarium of the obstetrical/gynecological surgeon.
- e. Identify the types of surgical procedures performed by urological surgeons and the anatomic structures involved.
- f. Understand the basic pathology relating to the need for urological surgical intervention. The student will be able to identify and describe the types of instruments, equipment, sutures, and supplies that are the armamentarium of the urological surgeon.
- g. Identify the types of surgery performed by otorhinolaryngological surgeons and the anatomic structures involved.
- h. Understand the basic pathology relating to the need for otorhinolaryngological surgical intervention. The student will be able to identify and describe the instruments, equipment, sutures, and supplies that are the armamentarium of the otorhinolaryngological surgeon.
- i. Identify the types of surgical procedures that are performed by orthopaedic surgeons and the anatomic structures involved.
- j. Understand the basic pathology relating to the need for orthopaedic surgical intervention. The student will be able to identify and describe the instruments, equipment, sutures, and supplies that are the armamentarium of the orthopaedic surgeon.
- k. Demonstrate familiarity with basic endoscopic and/or minimal invasive supplies and procedures performed by general/gastrointestinal, obstetrical/gynecological, urological, otorhinolaryngological/head/neck and orthopaedics surgeons.
- l. Incorporate knowledge, skill and abilities into clinical practice as a surgical technologist.

OUTLINE OF INSTRUCTION:

- I. Endoscopy/laparoscopy in today's or environment
 - A. General surgery applications
 - 1.) Diagnostic & operative
 - B. Gynecologic surgery applications
 - 1.) Diagnostic & operative
 - C. Orthopedic surgery applications
 - 1.) Diagnostic & operative
 - D. Other specialties using endoscopy
 - 1.) Urology
 - 2.) Otorhinological
- II. General surgery
 - A. Hernia surgeries
 - B. Breast procedures
 - C. Biliary procedures
 - D. Pancreatic procedures
- III. Gastrointestinal surgery
 - A. Esophageal procedures
 - B. Stomach procedures
 - C. Intestinal procedures
 - D. Colon procedures
 - E. Rectal procedures
- IV. Obstetrical/gynecological surgery
 - A. Obstetrical procedures
 - B. Pelvic procedures
 - C. Vaginal procedures
 - D. Abdominal procedures
- V. Urological surgery
 - A. Endoscopic urology
 - 1.) Cystoscopy
 - 2.) TUR prostate/TUR bladder tumor
 - B. Male reproductive organ surgery
 - 1.) Prostate surgery
- VI. Otorhinolaryngological surgery
 - A. Ear surgery
 - B. Nasal surgery
 - C. Oral cavity and throat surgery
 - D. Tracheal and laryngeal surgery
 - E. Head and neck surgery

- VII. Orthopaedic surgery
 - A. Congenital anomalies
 - B. Cosmetic surgeries
 - C. Grafting procedures
 - D. Flap procedures

REQUIRED TEXTBOOKS:

To be selected by the instructor.

STATEMENT FOR STUDENTS WITH DISABILITIES:

Students who require academic accommodations due to any physical, psychological, or learning disability are encouraged to request assistance from a disability services counselor within the first two weeks of class. Likewise, students who potentially require emergency medical attention due to any chronic health condition are encouraged to disclose this information to a disability services counselor within the first two weeks of class. Counselors can be contacted by calling 919-536-7207, ext. 1413 or by visiting the Student Development Office in the Phail Wynn Jr. Student Services Center, room 1209.