

SUR 122
SURGICAL PROCEDURES 1

COURSE DESCRIPTION:

Prerequisites: SUR 110 and SUR 111

Corequisites: SUR 123

This course introduces a comprehensive study of surgical procedures in the following specialties: general, gastrointestinal, obstetrical/gynecology, urology, otorhinolaryngology, and orthopaedics. Emphasis is on related surgical anatomy, pathology, and procedures to 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. 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 minimally 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 surger 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:

Fuller, Joanna Kotcher. Surgical Technology. Wells Surgical Instruments and Pieknik Suture Package. 4th ed. ISBN: 1416036296.

Snyder, Katherine C. Pharmacology for the Surgical Technologist. 2nd ed. ISBN: 1416024573
Chabner. Language of Medicine. 7th ed. ISBN: 0721697577

Price. Technological Sciences for the Operating Room. 1st ed. ISBN: 0926805398.

Rothcock. Alexander's Care of Patient in Surgery. 12 th. ed. ISBN: 0323016227.

Goldman. Pocket Guide to the Operating Room. 2nd ed. ISBN: 080360033X

RECOMMENDED:

Phillips, Nancymarie Fortunato. Berry & Kohn's Operating Room Technique. 10th ed.
ISBN: 0323019803.

Price, Paul. Surgical Technology for the Surgical Technologist: A Positive Care Approach. 2nd ed.
ISBN: 1401838480.

Tighe, Shirley M. Instrumentation for the Operating Room: A Photographic Manual. 6th ed. ISBN:
0323020135.

Venes, Donald. Taber's Cyclopedic Medical Dictionary. 20th ed. ISBN: 0803612087.

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 686-3652 or by visiting the Student Development Office in the Phail Wynn Jr. Student Services Center, room 1309.