



**Course Name:** Surgical Procedures I

**Course Number:** SUR\* E213

**Credits:** 3

**Catalog description:** This course includes a review of relevant anatomy and pathophysiology, diagnostic procedures, and surgical interventions for surgical procedures in the following areas: obstetrical/gynecological surgery, urological surgery, minor/ major orthopaedic surgery, ear, nose, and throat surgery, oral, maxillary, facial surgeries, reconstructive plastic surgery, and burn surgery. Laparoscopic, robotic, pediatric, simulation, and endoscopic procedures are integrated into this course. Co-requisite SUR 211 and SUR 215.

**Prerequisite:** Math 100 up, MED\*E125, BIO\*E119, SUR\*E109, SUR\*E110 & SUR\*E111; all with a C+ or higher

**Corequisite, or Parallel:**

## **General Education Competencies Satisfied:**

**HCC General Education Requirement Designated Competency Attribute Code(s):**

None

**Additional CSCU General Education Requirements for CSCU Transfer Degree Programs:**

None

**Embedded Competency(ies):**

None

**Discipline-Specific Attribute Code(s):**

SCI                      Science elective

## **Course objectives:**

**General Education Goals and Outcomes:**

None

**Course Specific Objectives:**



1. Describe the surgical procedures within specialty areas.
  - Obstetric and gynecologic surgery
  - minor and major orthopedic surgery
  - urology
2. For each surgical specialty, describe the following:
  - a. review relevant anatomy
  - b. indications for surgery
  - c. preoperative preparation & positioning
  - d. specialty instrumentation, equipment, drugs & supplies
  - e. method of anesthesia
  - f. skin preparation
  - g. draping technique
  - h. incision and closure
  - i. procedure descriptions, including possible complications
  - j. intraoperative duties
  - k. post-operative care
  - l. special considerations

## **COURSE CONTENT**

- Obstetric & Gynecologic Surgery
  - Vaginal & Vulvar Procedures
  - Abdominal Procedures
  - Obstetric Procedures
- Genitourinary Surgery
  - Adrenalectomy
  - Kidney Procedures
  - Ureteral Procedures
  - Urinary Bladder & Urethral Procedures
  - Male Reproductive System Procedures
- Minor and Major Orthopedic Surgery
  - Fracture Management
  - Shoulder Procedures
  - Upper Limb Procedures
  - Lower Limb Procedures
  - Knee Procedures
  - Ankle & Foot Procedures
  - Hand Procedures
  - Nailing
  - Joint Reconstruction
  - Vertebral Column
- Otolaryngology Surgery
  - Ear, Nose, Mouth & Throat Surgery



Head & Neck Surgery  
Oral & Maxillofacial Surgery  
Plastic Surgery  
    Aesthetic Procedures  
    Excisions of Lesions, etc.  
    Reconstructive Procedures  
    Implants  
    Transsexual Surgery  
Pediatric Surgery  
    General  
    Urology  
    Orthopaedic  
    Ophthalmology  
    Otorhinolaryngology  
    Plastic/Reconstructive  
    Neurosurgery  
    Thoracic  
Burn Surgery

**Teaching Methods:** Lecture, Demonstration & Return Demonstration, Audio-Visual Aids, Observation, Assigned Readings, and Handouts

**Grading: Exams:** 10 Quizzes 80%, Final Examination 20%

Date Course Created: 3/2017

Date of Last Revision: 08/31/2017