



South Central College

# **SURG 1450 Surgical Clinical**

## **Common Course Outline**

### **Course Information**

#### **Description**

Students will be scrubbing in a hospital operating room. This clinical will prepare students to perform in the role of first scrub. Students will assist in a variety of surgeries and related duties, and will apply knowledge of surgical techniques, procedures, equipment, instruments, and supplies along with increasingly developing their skills to more complex procedures.

(Prerequisites: SURG 1100, SURG 1220, SURG 1240. Corequisite: SURG 1330, SURG 1340).

**Total Credits** 5

**Total Hours** 256

### **Types of Instruction**

#### **Instruction Type**

Clinical

#### **Credits/Hours**

5/256

### **Pre/Corequisites**

Prerequisite SURG 1100, SURG 1220, SURG 1240

Corequisite SURG 1330, 1340

### **Course Outcomes**

#### **1. Explain interventional radiology applications.**

##### **Learning Objectives**

Describe the purpose of interventional radiology (IR).

Discuss the consideration for the use of IR.

Describe imaging modalities.

Evaluate the role of the surgical technology in interventional radiology.

#### **2. Apply knowledge of anatomy and physiology towards surgical procedures.**

##### **Learning Objectives**

Analyze the basic structure of cells and relate cellular components to integrated cell function.

Compare and contrast organs of the body.

Analyze the different body systems for composition and function.

**3. Participate in surgical rotation and roles.**

**Learning Objectives**

Describe the purpose of the observation role.  
Develop professional competency by performing in the scrub role during an arranged clinical experience.  
Evaluate the development of professionalism throughout clinical experiences using various methods.  
Utilize sufficient documentation for verifying cases and roles performed.  
Demonstrate participation in the Surgical Safety Checklist process.

**4. Summarize first scrub role duties in surgery.**

**Learning Objectives**

Demonstrate passing of instruments and supplies to the sterile surgical team during the procedure.  
Verify supplies and equipment needed for the surgical procedure.

**5. Demonstrate preoperative assistant circulator duties.**

**Learning Objectives**

Assist with positioning with OR furniture and equipment.  
Assist transferring patient from stretcher to OR table.

**6. Assist in intraoperative assistant circulator role duties.**

**Learning Objectives**

Anticipate needs of sterile team.  
Monitor OR traffic in and out of surgical suite.

**7. Assist with postoperative assistant circulator role duties.**

**Learning Objectives**

Assist transferring patient from OR table to stretcher.  
Assist with breakdown of OR room.

**8. Analyze the role and responsibilities of a surgical technologist.**

**Learning Objectives**

Examine the scope of practice for a surgical technologist.  
Identify skills needed to be a surgical technologist.  
Evaluate the methods to prevent conflict in the surgical arena.

**9. Apply critical thinking skills during surgery.**

**Learning Objectives**

Demonstrate principles of communication in the surgical setting.  
Demonstrate use of medical terminology for gathering pertinent patient information.  
Review principles of problem-solving in ethical decision-making.

**10. Demonstrate professionalism.**

**Learning Objectives**

Communicate with charge nurse regarding the daily scheduling of room assignments.  
Show compliance to the clinical sites dress code rules.  
Utilize communication skills with supervisor.  
Compare and contrast professional organizations related to the profession.  
Demonstrate the key elements related to developing a surgical conscience.

**11. Demonstrate the ability to work as a team member within the work environment.**

**Learning Objectives**

Communicate directly with charge nurse and preceptor.  
Explain importance of good communication between surgical professionals and other medical professionals.

**12. Analyze meetings with industry representatives and demonstrations.**

**Learning Objectives**

Apply feedback from preceptors, surgeons, and other team members to improve abilities.  
Demonstrate importance of working as a team member to ensure quality patient care.

**13. Demonstrate compliance with clinical safety protocols.**

**Learning Objectives**

Explain the importance of safety in the surgical setting.  
Select appropriate personal protective equipment when scrubbing a surgical case.  
Outline required steps to take in event of an accident in the workplace.  
Demonstrate electrical safety.  
Demonstrate knowledge of operating the electrosurgical unit.

**14. Apply stress management skills in the workplace.**

**Learning Objectives**

List signs of stress and be able to deal with issues.  
Explain techniques or methods to ease a stressful situation.

**15. Explain the importance of proper patient identification.**

**Learning Objectives**

Apply the Health Insurance Portability and Accountability Act (HIPAA) rules to ensure privacy of patient information.  
Recognize issues of confidentiality within the surgical setting.  
Evaluate basic electronic medical records (EMR) systems used.  
Evaluate safe practices for implementing information technology.

**16. Describe minimally invasive applications.**

**Learning Objectives**

Discuss the applications of each type of minimally invasive surgery (MIS) system.  
Discuss advantage of each type of minimally invasive surgery (MIS) system.  
Discuss the risks associated with the use of each type of minimally invasive surgery (MIS) system.  
Discuss the components of minimally invasive surgery (MIS) systems.

**17. Evaluate the use of lasers in surgery.**

**Learning Objectives**

Describe the biophysics of lasers.  
Discuss the advantages of using lasers.  
Describe the types of lasers.  
Describe the specific applications of each type of laser.  
Demonstrate proper care and handling of surgical lasers.  
Demonstrate patient and healthcare provider safety in relationship to lasers in a surgical setting.

**SCC Accessibility Statement**

Disability Services provides accommodations and other supports to students with permanent and temporary disabilities that affect their SCC experience. Disabilities may include mental health (anxiety, depression, PTSD), ADHD, learning disabilities, chronic health conditions (migraine, fibromyalgia), sensory disabilities, and temporary disabilities (broken arm, surgery). Common accommodations are extended test time, private room for testing, audiobooks, and sign language interpreter.

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