

**HOUSATONIC COMMUNITY COLLEGE  
SYLLABUS AND MASTER COURSE OUTLINE**

**COURSE NAME:** Operating Room Skills Seminar

**COURSE NUMBER:** SUR\* E111

**CREDITS:** 4

**CATALOGUE DESCRIPTION:** The seminar provides the students with the opportunity to practice with supervision, the skills, techniques, standards, and principles that are taught in Operating Room Technique 110. This course prepares students for the clinical experience by teaching them the care and handling of surgical supplies, instruments, suture materials, and surgical drapes using hands on skills, simulation, and mock surgery for laparotomy and laparoscopic procedures. This seminar is not only an introduction to the operating room environment but includes a 5-week clinical rotation.

After passing the seminar skills competencies, students will have a clinical rotation as a member of the surgical team under direct supervision. The rotation gives the student the opportunity to build on didactic and clinical skills learned in the seminar. It focuses on minimally complex and specialty surgical procedures that take place in a clinical facility. This rotation is 24 hours per week over the last 5 weeks of SUR\* E111.  
Corequisites SUR\* E110 & SUR\* E109

**PREREQUISITES:** ENG\* E101; MAT\* 100 OR HIGHER; MED\* E125 OR HIM 101, & CSA\* E105 WITH A GRADE OF C OR HIGHER; BIO\* E119 OR BIO\* E115 WITH GRADE OF C+ OR HIGHER

**COREQUISITES:** SUR\* E109, SUR\* E110

**COURSE OBJECTIVES:**

1. Select appropriate items for specialty packs.
2. Demonstrate proper opening of supplies & surgical techniques in the environment.
3. Practice using surgical instrumentation.
4. Demonstrate proper sharp handling and instrument passing.
5. Demonstrate scrubbing, gowning, and gloving using aseptic technique.
6. Demonstrate sterile setup.
7. Demonstrate draping using aseptic technique.
8. Demonstrate specimen and dressing handling
9. Demonstrate breakdown and room turnover.
10. Practice for competency evaluation for laparotomy and/or laparoscopic procedures.
11. Develop positive personal relationships within the operating room.
12. Conform to scheduled clinical hours and procedure times.
13. Adhere to professional standards and aseptic techniques.
14. Begin to anticipate the needs of the surgical team during minor procedures.
15. Demonstrate responsibilities to the patient and surgical team.
16. Begin to apply classroom learning in the surgical environment.
17. Identify principles of anatomy, physiology, pathophysiology, and microbiology perioperative patient care (Cognitive Domain: knowledge).
18. Define the elements, action, and use of medications and anesthetic agents used during the perioperative experience (Cognitive Domain: knowledge).
19. Follow safe practice in the role of Surgical Technologist (Affective Domain: receiving phenomena).
20. Show competence at a beginning level in technical skills and aseptic technique in the perioperative environment (Psychomotor Domain: set).

21. Comply with principles of effective communication and teamwork in the perioperative environment (Affective Domain: responding to phenomena).
22. Use responsible and accountable behavior within the role and competencies of the surgical technologist (Affective Domain: receiving phenomena).
23. Describe ethical, legal, moral, social, and cultural issues that impact upon patient care (Affective Domain: receiving phenomena).
24. Begin to organize the intraoperative environment as a member of the surgical team (Psychomotor Domain: set).
25. Recall learned knowledge and skills in the cognitive, psychomotor, and affective domains to become nationally certified as a Surgical Technologist (Cognitive Domain: knowledge).

## COURSE CONTENT

### Patient Care Procedures

#### Preoperative Phase

Patient Preparation; patient identification  
 patient transfer/safety/positioning  
 open gloving  
 skin prep  
 time out

#### Intraoperative Phase

hemostatic devices  
 specimens/irrigation

### Fundamentals of Operating Room Technique

#### Aseptic Technique

#### Operating Room Safety

Load and pass sharps safely

#### Preoperative Routines

room preparation; gathering and opening supplies (pack assembly).  
 operating room attire & personal protective equipment  
 scrubbing, gowning, & closed gloving  
 Set-up and prepare sterile field for laparotomy and laparoscopic procedures  
 Prepares sponges  
 Counts sponges, instruments and sharps

#### Intraoperative Routines

Gowning/gloving others  
 Drapes patient, furniture and equipment  
 passing instruments, supplies, sharp handling.  
 Dressing and drain application  
 communication techniques

#### Postoperative Routines

breaking down sterile field  
 disposal biohazard& sharps  
 interim sanitation  
 preparation for next case  
 emergency situations

#### Accessory Equipment

Skill demonstration in seminar competencies

Clinical Rotation-5-week, 24 hours per week

**Teaching Method:** Demonstration, & return demonstration, lab competency assessments, clinical performance assessment, clinical case log and research paper assignment rubric, group discussions.