

# SURT-1911: CLINICAL EXPERIENCE I

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## Cuyahoga Community College

### Viewing: SURT-1911 : Clinical Experience I

#### Board of Trustees:

May 2019

#### Academic Term:

Fall 2019

#### Subject Code

SURT - Surgical Technology

#### Course Number:

1911

#### Title:

Clinical Experience I

#### Catalog Description:

Beginning level scrubbing and instrumentation skills while caring for a surgical patient in operating room at assigned affiliated hospital or surgery center. Skills performed correlate with skills learned in surgery lab. Includes scrubbing, gowning and gloving, back table and mayo set-ups, surgical draping, instrumentation skills, basic procedural knowledge and employability skills. Students perform primarily in the second scrub role, gradually increasing to the first scrub role. Note: Listed lecture hour reflects contact time for required seminar.

#### Credit Hour(s):

3

#### Lecture Hour(s):

1

#### Other Hour(s):

240

#### Other Hour Details:

Practicum: 16 hours per week in hospital setting; Seminar: 1 hour per week

## Requisites

#### Prerequisite and Corequisite

SURT-1300 Introduction to Surgery and SURT-130L Surgery Lab; and concurrent enrollment in SURT-1330 General Surgery.

## Outcomes

#### Course Outcome(s):

A. Apply knowledge of the operating room environment when working as a surgical technologist.

#### Objective(s):

1. Identify cleaning procedures, traffic patterns, and routines in the operative environment.
2. Identify the physical components of the OR.
3. Identify hazards to the patient and OR staff in the operative environment.
4. Identify support services that work with the OR team in the care of the patient.

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#### Course Outcome(s):

B. Perform basic surgical technologist duties; including, beginning level case management skills and second scrub role, gradually increasing to first scrub role, in the operating room environment.

#### Objective(s):

1. Demonstrate principles related to the transferring and transporting the surgical patient.
2. Apply beginning-level principles of surgical positioning.

3. Competency related to the practice of sterile technique.
4. Demonstrate competency in the procedures related to disinfection and sterilization.
5. Demonstrate techniques of opening and preparing supplies and instruments needed for the operative procedure with the maintenance of sterile technique at all times.
6. Demonstrate the proper technique for the surgical hand scrub, gowning, gloving, and assisting team members.
7. Demonstrate the proper technique of preparing supplies and instruments on the sterile field.
8. Demonstrate proper procedure for counting instruments, sponges, needles, and other items on the sterile field.
9. Demonstrate the principles of surgical draping.
10. Demonstrate the initial steps for starting a surgical procedure.
11. Demonstrate intraoperative handling of sterile equipment and supplies.
12. Demonstrate the proper handling of surgical specimens.
13. Applies beginning-level problem-solving skills in the operative setting.
14. Demonstrate beginning-level selection and utilization of appropriate clinical resource material to aid in knowledge of surgical procedures.
15. Demonstrate proper back table and mayo setups.
16. Demonstrate postoperative routines including preparation of dressing and drains, cleaning and preparing instruments for terminal sterilization, participating in room turnover and, assisting with transfer and transport of patient when necessary.
17. Perform in a minimum of 120 surgical cases throughout all program clinical experiences.
18. Perform 30 cases in General Surgery; 20 of the cases must be in the First Scrub Role.
19. Perform 90 cases in various surgical specialties; 60 of the cases must be in the First Scrub Role.

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**Course Outcome(s):**

- C. Act professionally when working in the operating room environment.

**Objective(s):**

1. Speaks and behaves professionally.
2. Demonstrates punctuality.
3. Accepts constructive criticism.
4. Complies with hospital and college policies.
5. Displays a positive attitude.
6. Works as a team member.

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**Methods of Evaluation:**

1. Demonstration of skills
2. Clinical evaluations
3. Clinical attendance
4. Written assignments
5. Seminar attendance

**Course Content Outline:**

1. Operating Room (OR) orientation to 1st year clinical site
  - a. Facilities
  - b. OR policies/procedures
  - c. OR supply areas
  - d. Preference cards/educational materials
  - e. Assignment board
2. OR/central supply orientation
  - a. Instrument set contents
  - b. Packs/contents
  - c. Washer/sterilizer, ultrasonic washer
  - d. Sterilization methods
3. Operating room environment
  - a. General knowledge
    - i. Aseptic technique
    - ii. Anatomy and Physiology
    - iii. Anesthesia routines
    - iv. Standard precautions
    - v. Critical thinking
  - b. Preoperative skills

- i. Preparation of proper supplies
- ii. Opening supplies
- iii. Positioning
- iv. Skin prep
- v. Time organization
- c. Intraoperative skills
  - i. Scrubbing, gowning, gloving
  - ii. Back table and mayo setup
  - iii. Draping
  - iv. Instrumentation
  - v. Sutures/staplers
  - vi. Specimen care
  - vii. Medication/solutions
  - viii. Counting instruments, sponges, sharps
  - ix. Sterile/clean/contaminated procedures
  - x. Organization of sterile field
  - xi. Anticipation of surgical team
  - xii. Sterilization of instruments/equipment
  - xiii. Assistant circulating skills
  - xiv. 120 surgical cases
  - xv. General Surgery - 30 cases required, 20 in First Scrub Role
  - xvi. Surgical Specialties - 90 cases required, 60 in First Scrub Role
    - 1. Cardiothoracic
    - 2. ENT
    - 3. Eye
    - 4. GU
    - 5. Neuro
    - 6. Ob-Gyn
    - 7. Oral/Maxillofacial
    - 8. Orthopedics
    - 9. Peripheral vascular
    - 10. Plastics
    - 11. Procurement/Transplant
- d. Postoperative skills
  - i. Dressing/drains
  - ii. Terminal sterilization of instruments
  - iii. Transfer/transport of patient
- e. Professional development
  - i. Professional conversation
  - ii. Punctuality
  - iii. Constructive criticism
  - iv. Hospital/college policies
  - v. Flexibility
  - vi. Surgical conscience
  - vii. Positive attitude
  - viii. Team attitude

## Resources

Association of Surgical Technologists, et al. *Surgical Technology for the Surgical Technologist: A Positive Care Approach*. 5th ed. Boston: Cengage Learning, 2018.

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Fuller Kotcher, Joanna. *Surgical Technology Principles and Practice*. 6th ed. St. Louis: Elsevier, 2013.

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Goldman, Maxine A. *Pocket Guide to the Operating Room*. 3rd ed. Philadelphia: F. A. Davis, 2008.

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Phillips, Nancymarie. *Berry and Kohn's Operating Room Technique*. 12th ed. St. Louis, MO: Mosby, 2013.

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Pieknik, Rebecca. *Suture and Surgical Hemostasis*. 1st ed. St. Louis, MO: Elsevier Mosby, 2006.

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Rothrock, J. C. *Alexander's Care of the Patient in Surgery*. 16th ed. St. Louis: Mosby, 2019.

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Rothrock, J. C. and Sherri Alexander. *Alexander's Surgical Procedures*. 1st ed. St. Louis, MO: Elsevier Mosby, 2012.

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Rutherford, Colleen J. *Differentiating Surgical Equipment and Supplies*. 2nd ed. Philadelphia, PA: F. A. Davis, 2016.

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Rutherford, Colleen J. *Differentiating Surgical Instruments*. 2nd ed. Philadelphia, PA: F. A. Davis, 2012.

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Venes, Donald, ed. *Taber's Cyclopedic Medical Dictionary*. 23rd ed. Philadelphia: Davis, 2017.

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Top of page

Key: 4164