

Course discipline/number/title: ST 2120: Operating Room Techniques I

A. CATALOG DESCRIPTION

1. Credits: 5
2. Hours/Week: 3 Lecture, 4 lab
3. Prerequisites (Course discipline/number): None
4. Other requirements: None
5. MnTC Goals (if any): NA

B. COURSE DESCRIPTION. This course covers the fundamental skills necessary to work in the operating room and related areas. Emphasis is on aseptic technique, surgical conscience, scrub and assistant circulator roles, equipment, supplies, instrumentation, hazard preparedness, legalities, patient death, and teamwork in the perioperative process of the patient.

C. DATE LAST REVISED (Month, year): September, 2023

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Team members
2. Physical facilities
3. Operating room (OR) standards/recommended practices
4. Instrumentation
5. OR attire
6. Principles of aseptic technique and surgical conscience
7. Scrub/gown/gloving
8. Table draping
9. Packaging/Methods of sterilization/disinfection
10. OR cleaning
11. Scrub/assistant circulator duties
12. Sutures
13. Dispensing and receiving medications
14. Surgical drains
15. Surgical sponges
16. Surgical dressings
17. Sponge/needle/instrument counts
18. Calculate blood loss
19. Safety
20. Specimens
21. Cost containment
22. Latex allergy
23. Electrosurgery/electrocautery/electricity
24. Legalities
25. Ethics
26. Accountability/confidentiality
27. Patient death
28. Teamwork in the perioperative process
29. Diagnostic procedures
30. Hazard preparedness

E. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Apply the principles of asepsis in a knowledgeable manner to provide optimum patient care.
2. Demonstrate basic surgical case preparation.
3. Demonstrate creation and maintenance of sterile field.
4. Demonstrate scrub role.
5. Demonstrate assistant circulator role.
6. Identify appropriate techniques to assist with homeostasis.
7. Identify and state use of instrumentation, supplies, and equipment.

- E. LEARNING OUTCOMES (GENERAL): The student will be able to: Continued. . .
8. Show accountability as a health care professional.
 9. Develop patient care concepts.
- F. LEARNING OUTCOMES (MNTC): NA
- G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:
1. Written testing and assignments
 2. Return demonstration of each skill following principles of aseptic technique
 3. Lab practical exam (combined skills)
 4. Identification of supplies, equipment, and instrumentation used on surgical procedures
- H. RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcome(s):
Communication. Students will communicate appropriately for their respective audiences.
- Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.
- I. SPECIAL INFORMATION (if any):
1. Liability Insurance
 2. Care and Handling of sharps
 3. Standard Precautions