

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. SURG

COURSE NUMBER: 1130

NUMBER OF CREDITS: 5

Lecture: 3 Lab: 2 OJT 0

Course Title:

Operating Room Theory

Catalog Description:

Operating Room Theory will enable students to function as an essential part of the medical team providing surgical care to patients in an operating room setting. Students will study the total operating room environment, which includes preoperative, intraoperative, and postoperative care. The principles of electricity, physics, Lasers, computers, and Robotics will be covered. In the Laboratory setting, the students will develop fundamental operating room (OR) skills, to identify instruments, and to prepare necessary supplies for surgical case management. Emphasis will be placed on demonstrating the principles of aseptic techniques as they apply skills inherent in the role of the surgical technologist. The students will observe, practice and demonstrate these skills.

Prerequisites or Necessary Entry Skills/Knowledge:

None

FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)

- Goal 1: Communication: By meeting the following competencies:
- Goal 2: Critical Thinking: By meeting the following competencies:
- Goal 3: Natural Sciences: By meeting the following competencies:
- Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- Goal 7: Human Diversity: By meeting the following competencies:
- Goal 8: Global Perspective: By meeting the following competencies:
- Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered

Development of surgery.

Health care facilities, agencies, accrediting agencies, and organizations.

Hospital organization and management.

The surgical team members and the personal and professional relations between team members and other departments.

Job seeking skills.
Physical environment in a surgical site.
Communication skills, rapport and leadership.
Surgical attire.
Asepsis and sterile technique.
Identify and pass instruments.
Identify and prepare various surgical supplies and equipment.
Preparation of the OR suite.
Gowning and gloving self and another person, and open gloving.
Urinary catheterizations and drains.

Student Learning Outcomes

Trace the historical development of surgery.
Identify different types of health care facilities, agencies, accrediting agencies and organizations.
Understand the levels of management in the hospital and surgical department setting.
Identify and interpret job description for a surgical technologist, employment application, and qualities to retain a job.
Identify members of the surgical team and their roles and principles of communication and leadership importance in the surgical setting.
Identify the aspects of the physical environment of the surgical suites.
Identify hospital departments that relate to the surgical suite in providing quality patient care.
Discuss and demonstrate the concepts of asepsis and techniques of disinfection and antisepsis.
Identify principles and demonstrate techniques of sterilization and sterile storage.
Assess the physical, spiritual and psychological needs of the patient along with the patient's possible responses to illness and hospitalization.
Demonstrate an understanding of the process used to obtain an informed consent for a surgical procedure or treatment.
Describe preoperative routines.
Describe and demonstrate the identification process, transportation, and transfer of a surgical patient. Employ the principles of body mechanics.
Discuss methods and types of documentation used in the operating room.
Identify the patient's rights to receive quality care.
Define and identify diseases and disorders including the diagnostic test used for identification of diseases and disorders.
Understand the principles of Robotic, minimally invasive surgery, and electricity in the OR suite.
Demonstrate techniques of opening supplies and instruments while maintaining aseptic technique.
Identify basic instruments by type, function and name and demonstrate care, handling, and assembly of instruments.
Identify the names and functions of various types of accessory and special equipment utilized in modern operating room practices.
Employ principles involved in donning surgical attire.
Apply sterile technique when self-gowning and gloving and assisting other team members.
Demonstrate the steps of surgical scrub.
Demonstrate open gloving technique in non-sterile role.

Demonstrate male and female urinary catheterization, skin preparation and patient positioning.

Is this course part of a transfer pathway: Yes No

***If yes, please list the competencies below**

Revised Date: 10/13/2023