Course Title:
Operating Room Practices

Catalog Description:
Operating Room Practices will facilitate the development of fundamental operating room skills, identify instruments, prepare necessary supplies for surgical case management. Included will be a basic knowledge of electricity, physics and robotics. Emphasis will be placed on demonstrating the principles of aseptic techniques. The students will observe, practice, and demonstrate these skills in the lab setting.

Prerequisites or Necessary Entry Skills/Knowledge:
SURG 1120 and SURG 1150

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
- Creation and maintenance of the sterile field.
- Basic case preparation and selection.
- Identify and prepare various surgical supplies and equipment.
- Urinary catheterizations and drains.
- Thermoregulation.
Surgical attire.
Asepsis and sterile technique.
Identify and label medications/solutions on the back table.
Preanesthesia skill.
Preparation of the OR suite.
Selection of Mayo stand instruments.
Setting up back table, taking supplies and medications/solutions.
Demonstrate count protocol
Principles of draping.
Skin preparation.
Gowning and gloving self and another person.
Fire awareness.
Identify, prepare, and pass instruments including loading suture right & left handed.
Open gloving technique.
Specimen care, dressings, drains and postanesthesia care.
Dismantle sterile field and disrobe.
Room turnover and confidentiality.
Minimally Invasive Surgery.
Transition to Clinical Setting.

**Student Learning Outcomes**

Demonstrate techniques of opening and preparing various supplies, instruments, and equipment needed for any procedure, with the maintenance of asepsis technique at all times.

Identify basic instruments by type, function and name, and will 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.

Discuss the types of drapes available and the principles of draping and will demonstrate their application including draping of a C-Arm.

Demonstrate the principles of safe transportation of surgical patients. Employ the principles of body mechanics.

Perform basic positioning.

Demonstrate urinary catheterization.

Describe the steps and rationales for surgical skin preparation.

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 the procedures for counting instruments, sponges, needles and other items on the sterile field. Know the difference between a soft and full count.

Demonstrate initial steps for starting a surgical procedure.

Describe the procedure for specimen labeling and handing off to circulator.

Assess specific variations of intraoperative technique.

Perform decontamination of the OR environment and equipment.
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<th>Is this course part of a transfer pathway:</th>
<th>Yes ☐  No ☒</th>
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