

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

DEPT. SURG

COURSE NUMBER: 1151

NUMBER OF CREDITS: 4

Lecture: 4 Lab: 0 OJT 0

Course Title:
Operating Room Procedures II

Catalog Description:
Operating Room Procedures II enables students to understand various types of surgical procedures. Students will relate the knowledge learned in previous theory courses to specific surgical procedures. The types of cases to be studied will included Genitourinary, Orthopedic, Cardiothoracic, Peripheral Vascular surgeries, and Neurosurgery. The areas of anatomy, diagnostic testing, patient positioning, instrumentation, equipment and supplies necessary to complete a surgical procedure and the actual sequence of the procedure will be analyzed.

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
Instrumentation
Equipment & Supplies
Exposure
Incisions
Surgical Dressings
Tissue approximation
Preoperative diagnosis & diagnostics
Sequencing and anticipation

Surgical wound closure and classifications
Hemostasis and blood replacement
Patient positioning and positioning devices

<b>Student Learning Outcomes</b>
Discuss and demonstrate knowledge and sequence of various surgical procedures.
Discuss and demonstrate knowledge of correct positioning of patient for different surgical procedures.
Identify instruments that will be used for different surgical procedures..
Identify which instrument sets and supplies will be used for different surgical procedures and which instruments and supplies will be placed on the Mayo stand
Identify members of the surgical team and their roles and the importance of communication between the OR and other facility departments.
Discuss the steps taken at the beginning of a surgical procedure including the “Time Out”.
Discuss the different incisions and which incision is best for the different surgical procedures.
Discuss and understand the different wound closures and classifications.
Discuss the basic concepts related to Robotics and Minimal Invasive Surgery.
Determine safety concerns related to electrical equipment.
Understand the different processes for hemostasis and blood replacement.
Identify the different surgical dressings.

<b>Is this course part of a transfer pathway:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<i>*If yes, please list the competencies below</i>

Revised Date: 2/22/2022