MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

Faculty members are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT.  Surgical Technology  COURSE NUMBER:  1130

NUMBER OF CREDITS:  ___4___  Lecture: X  ___  Lab: ______

Course Title:
Operating Room Theory

Catalog Description:
This course 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. Emphasis will be placed on principles of aseptic technique.

Prerequisites or Necessary Entry Skills/Knowledge:

Topics to be Covered (General)

1. Development of surgery.
2. Health care facilities, agencies, accrediting agencies and organizations.
3. Hospital Organization and Management.
4. The surgical team members and the personal and professional relations between team members and other departments.
5. Job seeking skills.
7. Communication skills, rapport and leadership
8. Asepsis and the surgical environment.
10. Sterilization
11. Disinfection and antisepsis
12. Physical, spiritual and psychological needs of the surgical patient.
13. Surgical consent
14. Preoperative routines
15. Patient identification
16. Transportation, transfer and position of the surgical patient.
17. Patient bill of rights.
18. General concepts of pathophysiology.

### Student Learning Outcomes

1. Trace the historical development of surgery.
2. Identify different types of health care facilities, agencies, accrediting agencies and organizations.
3. Understand the levels of management in the hospital and surgical department setting.
4. Identify and interpret a job description for a surgical technologist, employment application and qualities to retain a job.
5. Identify members of the surgical team and their roles and principles of communication and leadership importance in the surgical setting.
6. Identify the aspects of the physical environment of the surgical suites.
7. Identify hospital departments that relate to the surgical suite in providing quality patient care.
8. Discuss the concepts of asepsis and techniques of disinfection and antisepsis.
9. Identify principles and demonstrate techniques of sterilization and sterile storage.
10. Assess the physical, spiritual and psychological needs of the patient along with the patient’s possible responses to illness and hospitalization.
11. Demonstrate an understanding of the process used to obtain an informed consent for a surgical procedure or treatment.
12. Describe preoperative routines.
13. Describe the identification process, transportation, and transfer of surgical patient.
14. Discuss methods and types of documentation used in the operating room.
15. Identify the patients rights to receive quality care.
16. Define and identify diseases and disorder including the diagnostic test used for identification of disease or disorder.
17. Understand the principles of Robotic, minimally invasive surgery and electricity in the operating room.

Is this course part of a transfer pathway: Yes ☐ No ☒

*If yes, please list the competencies below

Revised 5/2020