MOHAWK VALLEY COMMUNITY COLLEGE, UTICA-ROME, NY

Surgical Technology

COURSE OUTLINE

1. COURSE DESCRIPTION:

**ST140 Surgical Technology Skills and Procedures I** C-2, P-2 CR-3

This course provides an introduction to general, laparoscopic, and robotic surgical procedures. Course emphasizes proper surgical procedures for various anatomical regions. Students are provided hands-on experience preparing surgical trays and performing the steps taken by surgical technologists during surgery.

**Prerequisites:** ST120 Surgical Instrumentation, ST130 Surgical Technology and Sterile Processing Fundamentals, ST131 Surgical Technology Principles and Skills, HM100 Medical Terminology for Health Professionals, and BI216 Human Anatomy & Physiology 1

**Corequisites:** BI209 Basic Pathophysiology, ST220 Sterile Processing Clinical, and BI217 Human Anatomy and Physiology 2

1. STUDENT LEARNING OUTCOMES

**Upon completion of this course the student will be able to:**

1. Identify the relevant anatomy and physiology of each surgical specialty.
2. Describe the pathology and related terminology of each surgical specialty.
3. Identify any preoperative diagnostic procedures and tests for each surgical specialty.
4. Identify the use of surgical instruments, supplies, and drugs by surgical specialty.
5. Identify the names and uses of special equipment related to General Surgery, OB/GYN, and Otorhinolaryngologic and Genitourinary surgical specialties.
6. Define and give an overview to include the purpose and expected outcomes of basic procedures done in General Surgery, OB/GYN, and Otorhinolaryngologic and Genitourinary surgical specialties.
7. Describe the immediate postoperative care and possible complication of the core procedures of each specialty.
8. MAJOR TOPICS:
9. General Surgery
   1. The Abdomen
   2. Gastrointestinal Surgery
   3. Surgery of the biliary System, Liver, Pancreas, and Spleen
   4. Breast Surgery
   5. Bariatric surgery
10. Minimally Invasive Endoscopic and Robotic-assisted Surgery
    1. Principles of Minimally Invasive Surgery
    2. Robotic Surgery
11. Gynecological and Obstetrical Surgery
    1. Surgical Anatomy
    2. Case planning
    3. Surgical Techniques
    4. Diagnostic Procedures
12. Genitourinary Surgery
    1. Surgical Anatomy
    2. Case planning
    3. Surgical Techniques
    4. Diagnostic Procedures
13. Surgery of the Ear, nose, Pharynx, and Larynx
    1. Surgical Anatomy
    2. Case planning
    3. Surgical Techniques
    4. Diagnostic Procedures
14. Oral and Maxillofacial Surgery
    1. Surgical Anatomy
    2. Case planning
    3. Surgical Techniques
    4. Diagnostic Procedures