**MOHAWK VALLEY COMMUNITY COLLEGE**

**Center for Life and Health Sciences**

**Allied Health**

**AH220 Surgical Technology Skills/Surgical Procedures 2-C, 1-P; Cr-3**

**Prerequisites**

AH120 Surgical Technology Clinical Seminar, AH130 Fundamentals of Surgical Technology

**Co-Requisites**

BI107 Human Anatomy and Physiology 2, AH230 Surgical Technology Clinical Practicum 1

**Course Description**

Primary surgical specialties will be reviewed. Emphasis in each surgical specialty will include concentrated focus on anatomy, physiology, pathophysiology, diagnostic interventions, and surgical interventions. Surgical interventions will include: special patient care considerations, room set ups, anesthesia, positioning, skin prep, draping, incision and approach, supplies, equipment instrumentation, procedural steps, counts, dressing materials, specimen care and postoperative destination and care. Surgical specialties include: General, Obstetric and Gynecologic, Ophthalmic, Otorhinolaryngologic, Oral and Maxillofacial, Plastic and Reconstructive, Genitourinary, Orthopedic, Cardiothoracic, Peripheral Vascular and Neurosurgery.

**Student Learning Outcomes**

Upon successful completion of this class, 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. Define the special preoperative preparation procedures related to each procedure by  
    specialty.
5. Identify the names and uses of surgical instruments, supplies, and drugs by surgical  
    specialty.
6. Identify the names and uses of special equipment related to each surgical specialty.
7. Define basic procedures by specialty including their purpose and expected outcomes.
8. Identify the immediate postoperative care and possible complication of the core  
    procedures of each specialty.

**Major Topics**

1. Diagnostic Procedures
2. General Surgery
3. Obstetric and Gynecological Surgery
4. Ophthalmic Surgery
5. Otorhinolaryngologic Surgery
6. Oral and Maxillofacial Surgery
7. Plastic and Reconstructive Surgery
8. Genitourinary Surgery
9. Orthopedic Surgery
10. Cardiothoracic Surgery
11. Peripheral Vascular Surgery
12. Neurological Surgery