

Virginia Western Community College

SUR 245

Surgical Instrumentation

Prerequisites

SUR 140, SUR 145, and BIO 142

VCCS Course Description

Builds upon essential skills to perform safely and competently in the operating room environment. Emphasizes active learning and critical thinking in the lab setting. Uses simulations to introduce skills in setting up a back table, mayo stand and passing instruments. Focuses on anticipating the needs of the surgeon and team members. Covers demonstration of counting procedures to prevent retained items and maintaining the sterile field to prevent contamination. Laboratory 9 hours per week.

VWCC Discipline Specific Course Description

Not applicable. See above.

Semester Credits: 3

Lecture Hours:

Required Materials

Textbook

1. Surgical Technology for the Surgical Technologist, 6th edition, AST/Cengage, ISBN: 978-0-357-62573-6

Other Required Materials:

1. Study Guide to Accompany Surgical Technology for the Surgical Technologist Workbook, ISBN: 978-0-357-62575-0
2. Surgical Instrumentation, An Interactive Approach, 4th edition, Elsevier, ISBN: 978-0-323-77693-6
3. Surgical Equipment and Supplies, 3rd edition, F.A. Davis, ISBN: 978-1-719-64841-7

Note to Instructors

[Add Note to Instructors Here]

VWCC AND DISCIPLINE SPECIFIC OUTCOMES

- Review of OR attire, PPE, surgical hand scrub and establishment of the sterile field as learned in SUR 145
- Review of patient positioning dependent upon surgical procedure
- Patient prepping related to surgical procedure
- Draping the surgical patient
- Preoperative case management
- Mock surgery and related activities in a variety of surgical specialties
- Postoperative surgical case management
- Safety and proper disposal of sharps
- Passing techniques for different surgical instrumentation

VWCC AND DISCIPLINE SPECIFIC TOPICAL DESCRIPTIONS

1. Draping the Surgical Patient
2. Hands on Experience with Passing Surgical Instrumentation
3. Proper handling and Passing of Sharps
 - a. Uncapping and re-capping hypodermic needles
 - b. Passing scalpels
 - c. Proper suture passing techniques
 - d. What is a neutral zone and when it is used
 - e. Safe disposal
4. Medications handling
 - a. Labeling medication delivered to the field
 - b. 6 rights of medication
5. Mock Surgery
 - a. General
 - b. GYN
 - c. ENT
 - d. Plastics and Reconstructive
 - e. Orthopedic
 - f. Neuro/ Ortho Spine
6. Post-operative case management

[TITLE IX STATEMENT](#)

[ADA STATEMENT](#)

