

**Virginia Western Community College**  
**SUR 150**  
**Surgical Instrumentation**

**Prerequisites**

Admission to the Surgical Technology Program

**Course Description**

Introduces surgical instrumentation, supplies, and equipment used in the operating room for surgical procedures. Includes identification of instruments based on use, type, function, and design. Emphasizes use of surgical instruments to perform safely and effectively in the operating room environment. Lecture 2 hours. Total 2 hours per week. 2 credits

**Semester Credits: 2**

**Lecture Hours: 2**

**Required Materials****Textbook:**

Surgical Instrumentation, An Interactive Approach ISBN: 978-032352370-7

**Other Required Materials:**

Surgical Technology for the Surgical Technologist: A Positive Care Approach Cengage, ISBN: 978-1-305-95641-4

Study Guide to Accompany Surgical Technology for the Surgical Technologist Workbook, ISBN: 978-1-30-595643-8

**Course Outcomes**

- Describe how instruments are used in the operating room
- Differentiate types of instruments by their design
- Differentiate types of instruments by their function
- Classify instruments by use
- Describe how to inspect instruments for defects
- Discuss safety issues in handling surgical instruments

**Topical Description**

<b>Exam Criteria/ Topics</b>
<p style="text-align: center;"><b><u>Module 1: Exam #1</u></b></p> <p style="text-align: center;"><b><u>Nemitz:</u></b> Ch 1: Introduction to Surgical Instruments Ch 2: Basic Instruments</p> <p style="text-align: center;"><b><u>Cengage:</u></b> Ch 10: Instrumentation, Equipment, and Supplies</p>
<p style="text-align: center;"><b><u>Module 2: Exam #2</u></b></p> <p style="text-align: center;">Ch 5: Robotic Instruments Ch 7: Genitourinary Instruments Ch 8: Ophthalmic Instruments Ch 10: Oral Instruments</p>
<p style="text-align: center;"><b><u>Module 3: Exam #3</u></b></p> <p style="text-align: center;">Ch 3: General Instruments Ch 4: Laparoscopic Instruments Ch: 6Obstetrics and Gynecologic Instruments</p>
<p style="text-align: center;"><b><u>Module 4: Exam #4</u></b></p> <p style="text-align: center;">Ch 9: Otorhinolaryngology Instruments Ch 11: Plastic and Reconstructive Instruments</p>
<p style="text-align: center;"><b><u>Module 5: Exam #5</u></b></p> <p style="text-align: center;">Ch 12: Orthopedic Instruments Ch 13: Neurosurgical Instruments</p>
<p style="text-align: center;"><b><u>Module 6: Exam #6</u></b></p> <p style="text-align: center;">Ch 14: Cardiovascular Thoracic Instruments **material from previous chapters*</p>
<b>Final Exam</b>