

Course Code: SUR 130

Course Title: Surgical Instrumentation

Department: Allied Health

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 51.0909

Repeatability: 0

Credit Hours

Catalog Notation: 1-0-1

Credit Hour Distribution:

Lecture: 1

Lab: 0

Clinical: 0

Total: 1

General Course Information

Catalog Description

Identification and use of surgical instrumentation. Categories, classifications, handling, passing, and assembly of surgical instruments. Specialty instrumentation used in surgery.

General Course Objectives

1. Identify and describe surgical instrumentation.
2. Demonstrate the correct spelling of surgical instrumentation.
3. Demonstrate the handling and passing of surgical instrumentation.
4. Describe the uses of surgical instrumentation.
5. Identify the materials, finishes, categories, and parts of surgical instrumentation.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 099	Placement out of CCS 099	None

Prerequisites

Credit in SUR 116 and SUR 150

Concurrent enrollment in SUR 118, SUR 158, and SUR 170

Admission into the Surgical Technology program

Recommended before enrolling (not required):

Credit or concurrent enrollment in BIO 123 and ENG 102

Methods of Evaluation

14-16 instrument identification quizzes, 1 research assignment, 1 mid-term exam, and 1 final exam.

Instructional Materials and Additional Supplies

Surgical Instrumentation textbook + MindTap, Cengage, current edition

Surgical Technology Principles and Practice, Fuller, Elsevier, current edition

Surgical Instrumentation Course Manual - Instructor developed manual

Course Content

General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.
- Critical Thinking and Information Literacy: Students will demonstrate the ability to evaluate perspectives, evidence, and implications, and to locate, assess, and use information effectively.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Basics of Surgical Instrumentation	1. Discuss the historical uses of surgical instrumentation. 2. Discuss the pioneers of surgical instrumentation. 3. Identify the parts of a surgical instrument. 4. Describe the uses of surgical instrumentation. 5. Identify how instruments are classified. 6. Identify and group surgical instruments. 7. Identify the materials, finishes, and grades of surgical instrumentation. 8. Describe the rationale for proper placement of an instrument into a surgeon's hands.	1	0	0
Cutting and Dissecting Instruments	1. Demonstrate the correct spelling of instruments according to the manufacturer's name. 2. Identify instruments by category. 3. Identify instruments by name. 4. Recognize and group instruments according to name, size, and function. 5. Handle and pass instruments correctly and safely.	1	0	0
Clamping and Occluding Instruments	1. Demonstrate the correct spelling of instruments according to the manufacturer's name. 2. Identify instruments by category. 3. Identify instruments by name. 4. Recognize and group instruments according to name, size, and function. 5. Handle and pass instruments correctly and safely.	1	0	0
Grasping, Holding, and Suturing Instruments	1. Demonstrate the correct spelling of instruments according to the manufacturer's name. 2. Identify instruments by category. 3. Identify instruments by name. 4. Recognize and group instruments according to name, size, and function. 5. Handle and pass instruments correctly and safely.	2	0	0
Retracting and Viewing Instruments	1. Demonstrate the correct spelling of instruments according to the manufacturer's name. 2. Identify instruments by category. 3. Identify instruments by name. 4. Recognize and group instruments according to name, size, and function. 5. Handle and pass instruments correctly and safely.	2	0	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Suctioning and Aspirating Instruments	1. Demonstrate the correct spelling of instruments according to the manufacturer's name. 2. Identify instruments by category. 3. Identify instruments by name. 4. Recognize and group instruments according to name, size, and function. 5. Handle and pass instruments correctly and safely.	1	0	0
General Surgery Instruments	1. Identify and describe the uses of instruments used in general surgery. 2. Demonstrate the correct spelling of instruments according to the manufacturer's name. 3. Recognize and group instruments according to name, size, and function. 4. Explain the most common applications for general surgery instrumentation. 5. Correlate and associate general surgery instruments with anatomical structures. 6. Handle and pass general surgery instruments correctly and safely.	2	0	0
Laparoscopic Instruments	1. Identify and describe uses of instruments used in laparoscopic surgery. 2. Demonstrate the correct spelling of instruments according to the manufacturer's name. 3. Recognize and group instruments according to name, size, and function. 4. Explain the most common application for laparoscopic surgical instrumentation. 5. Correlate and associate laparoscopic surgical instruments with anatomical structures. 6. Handle and pass laparoscopic instruments correctly and safely.	2	0	0
Genitourinary Instruments	1. Identify and describe uses of instruments used in genitourinary surgery. 2. Demonstrate the correct spelling of instruments according to the manufacturer's name. 3. Recognize and group instruments according to name, size, and function. 4. Explain the most common applications for genitourinary surgical instrumentation. 5. Correlate and associate genitourinary surgical instruments with anatomical structures. 6. Handle and pass genitourinary instruments correctly and safely.	1	0	0
Obstetrics and Gynecological (OB/GYN) Instruments	1. Identify and describe the uses of instruments used in OB/GYN surgery. 2. Demonstrate the correct spelling of instruments according to the manufacturer's name. 3. Recognize and group instruments according to name, size, and function. 4. Explain the most common applications for OB/GYN surgical instrumentation. 5. Correlate and associate OB/GYN surgical instruments with anatomical structures. 6. Handle and pass OB/GYN instruments correctly and safely.	2	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
15	0	0