

**Virginia Western Community College**  
**SUR 298**  
**Seminar and Project in Surgical Technology**

**Prerequisites**

BIO 141, BIO 142, SDV 101, HLT 141, ENG 111, PSY230, SUR 100, SUR 135, SUR 140, SUR 145, HLT 105, SUR 150, SUR 240, SUR 245, SUR 250, SUR 195, SUR 230, SUR 210, SUR 260

**Co-Requisites**

PHI 220, SUR 296

**Course Description**

Requires completion of a project or research report related to the student's occupational objectives and a study of approaches to the selection and pursuit of career opportunities in the field. In this capstone course, the student demonstrates achievement of program outcomes and readiness for entry level practice as a surgical technologist. The student demonstrates knowledge for entry level practice via standardized testing and preparation for the NBSTSA Certified Surgical Technologist (CST) Exam.

**Semester Credits: 4**

**Lecture Hours: 4**

**Lab/Clinical/Internship Hours: 0**

**Required Materials**

<b>Textbook Title</b>	<b>Author</b>	<b>Edition</b>
Surgical Technology for the Surgical Technologist A Positive Care Approach ISBN: 978-130595641-4	Frey, Kevin B.	5 <sup>th</sup>
LANGE Q&A Surgical Technology Examination ISBN: 978-125958811-2	Sherman, Carolan, Chmielewski, Mary	8 <sup>th</sup>
Pearson's Surgical Technology Exam Review ISBN: 978-0-13-521342-1	Rogers, Emily M., McGuinness Leary, Ann M.	4 <sup>th</sup>
Surgical Instrumentation, An Interactive Approach ISBN: 978-1-4557-0719-5	Nemitz, Renee	2 <sup>nd</sup>
Surgical Technologist Certifying Exam Study Guide ISBN: 978-0-8036-1226-6	AST	3 <sup>rd</sup>
Pharmacology for the Surgical Technologist ISBN: 978-0-323-34083-0	Katherine C. Snyder and Chris Keegan	4 <sup>th</sup>
VWCC Surgical Technology Student Handbook	VWCC AAS in ST	n/a
Surgical Equipment and Supplies ISBN: 978-0803645714	Rutherford, Colleen J.	2 <sup>nd</sup>

**Course Outcomes**

<b>Upon completion of the course, students will be able to:</b>
Demonstrates achievement of all program outcomes and readiness for entry level practice as a surgical technologist
Demonstrates knowledge, skill and preparedness for the NBSTSA CST exam

**Topical Description**

1. Overview of CST Exam: content, self-evaluation of content sections, format, test-taking strategies, etc.
2. Professionalism – ST specific resume writing and preparation for interviews and job readiness.
3. Review Subjects:
  - a. Medical terminology
  - b. Anatomy & physiology
  - c. Microbiology
  - d. Pharmacology
  - e. Biomedical terminology
  - f. Sterilization
  - g. Surgical asepsis
  - h. The surgical patient
  - i. Wound management
  - j. Professional aspects of the OR
  - k. Surgical instrumentation
  - l. Equipment and case prep
  - m. Surgical environment
  - n. General surgery
  - o. Obstetrics and gynecological surgery
  - p. Plastics and reconstructive surgery
  - q. Head and neck surgery
  - r. Neurosurgery
  - s. Ophthalmic surgery
  - t. Orthopedic surgery
  - u. Genitourinary surgery
  - v. Thoracic, cardiac and vascular surgery
  - w. Pediatric surgery
  - x. Trauma and Emergency Surgery Concepts

**Notes to Instructors**