

**Course Syllabus - Capstone**

COURSE: SRGT1291 Special Topics in Surgery/Operating Room Tech (2 Credit Hours)  
 SEMESTER: Fall 2019 (August-December; 16 Week Semester)  
 CLASS TIMES: Fridays 8:30am – 10:30pm  
 Instructor: Paul Landsman, CST  
 OFFICE: RC528  
 OFFICE Hours: By appointment only  
 OFFICE Phone: Paul Landsman: 806-716-4642  
 E-MAIL: [plandsman@southplainscollege.edu](mailto:plandsman@southplainscollege.edu)  
 PROGRAM FACEBOOK: <https://www.facebook.com/SPCSurgicalTechnology>

*"South Plains College improves each student's life."*

**GENERAL COURSE INFORMATION**

**COURSE DESCRIPTION**

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation, and relevant to the professional development of the student.

This course is a comprehensive review of concepts and skills previously mastered over the course of the Surgical Technology Program. Lectures will follow the Certification Exam review text chosen by the instructor, and will also include class activities, instructor demonstration, student demonstration, and Certification Exam practice testing. Practice testing will occur on the first day of the course to gauge which topics will require even further emphasis and review; and again as the final examination to assess the course's effectiveness in increasing students' retention and recall of the information given over the course of the program. Study skills are also addressed, as well as test taking skills.

**STUDENT LEARNING OUTCOMES**

Students will:
1. Increase his/her knowledge base concerning medical terminology, anatomy and physiology, and pharmacology. F-1, F-2, F-5, F-6, F-7, F-8, F-9, F-10, F-12, C-1, C-3, C-4, C-5, C-6, C-7, C-9, C-12, C-14
2. Explain infectious processes and concepts of wound healing. F-1, F-2, F-5, F-6, F-9, F-11, F-12, C-15, C-16, C-17, C-18, C-19, C-20
3. Discuss the biopsychosocial needs of the perioperative patient, and moral and ethical standards of the Surgical Technologist. F-5, F-6, F-7, F-8, F-9, F-10, F-11, F-12, F-13, F-15, F-16, F-17, C-1, C-3, C-5, C-6, C-7, C-9, C-10, C-11, C-13, C-14, C-15, C-16, C-18, C-19, C-20
4. Explain infectious processes and concepts of wound healing. F-1, F-2, F-5, F-6, F-9, F-11, F-12, C-15, C-16, C-17, C-18, C-19, C-20
5. Demonstrate advanced knowledge of the principles and practice of aseptic technique, and describe the various roles of the sterile and non sterile Surgical Technologist. F-1, F-2, F-5, F-6, F-8, F-9, F-11, F-2, F-13, F-16, F-17, C-1, C-3, C-5, C-6, C-7, C-9, C-14
6. Identify basic surgical instruments/supplies/equipment, and describe proper sterilization practices. F-5, F-6, F-10, F-11, F-12, C-3, C-5, C-6, C-7, C-18, C-19, C-20

**COURSE OBJECTIVES**

**Cognitive Domain Objectives:**

- Define advanced medical terms associated with various surgical procedures
- Outline the principles of aseptic technique and operating room safety

- List specific anatomic landmarks important to basic surgical procedures
- Name each surgical position and state safety precautions taken for each position
- Outline preoperative and postoperative duties of the Surgical Technologist
- Explain the intraoperative duties, and roles, of the Surgical Technologist

**Psychomotor Domain Objectives:**

- Identify basic and specialty surgical instrumentation when shown a picture
- Identify basic and specialty surgical supplies and equipment and describe their uses
- Identify drugs and medications used in surgery followed by their uses, and label information
- Demonstrate proper cleaning, sorting, assembly, and sterilization of instrumentation
- Label surgical incisions and state the procedures that utilize each incision

**Affective Domain Objectives:**

- Discuss the moral, legal, and ethical issues faced by the Surgical Technologist
- Describe the processes of infection and wound healing
- Describe the steps to basic surgical procedures of various specialties
- Discuss the role of the surgical technologist, and their scope of practice
- Explain the different sterilization methods, as well as each of their advantages, disadvantages

**OUTCOMES ASSESSMENT METHODS**

**Formative assessments:**

- Weekly review quizzes
- Official NBSTSA Practice Certification exam (via internet)

**Summative assessments:**

Exams (6)	50% via blackboard
Homework (8)	35% via blackboard
Final Exam	15% via blackboard

**ACADEMIC INTEGRITY**

It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension.

**Cheating** - Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the textbook or from the examination paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in the office are examples of cheating. Complete honesty is required of the student in the presentation of any and all phases of coursework. This applies to quizzes of whatever length, as well as final examinations, to daily reports and to term papers.

**Plagiarism** - Offering the work of another as one's own, without proper acknowledgment, is plagiarism; therefore, any student who fails to give credit for quotations or essentially identical expression of material taken from books, encyclopedias, magazines and other reference works, or from themes, reports or other writings of a fellow student, is guilty of plagiarism.

**BLACKBOARD**

Blackboard is an e-Education platform designed to enable educational innovations everywhere by connecting people and technology. This educational tool will be used in this course throughout the semester.

## FACEBOOK

The Surgical Technology Program has a Facebook page at <https://www.facebook.com/SPCSurgicalTechnology>. In addition to the South Plains College website, this Facebook page will be used to keep students up-to-date on program activities, weather delays, South Plains College announcements and will help with program recruitment. "Liking" the Surgical Technology Facebook page is not mandatory, nor are personal Facebook accounts, in order to access this page.

## SCANS and FOUNDATION SKILLS

Refer also to Course Objectives. SCANS and Foundation Skills attached.

# SPECIFIC COURSE INFORMATION

## TEXT AND MATERIALS



Surgical Technology Review: Certification and Professionalism Karen L. Chambers and Valerie Roche, ISBN#978-0-8036-1676-9

## METHODS OF TEACHING

- Question and answer
- Power Point
- Review questions

## ATTENDANCE POLICY

Class attendance is mandatory. Students are allowed three (3) absences and will be administratively withdrawn on the fourth (4th) absence. A tardy is given if the student is not present for the class or lab within the first 5 minutes of the class period. Two (2) tardies equal one (1) absence. If a student misses more than 30 minutes of any class session, an absence will be given for the day.

When an unavoidable reason for class absence arises, such as illness, an official trip authorized by the college or an official activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Should a student, for any reason, delay in reporting to a class after official enrollment, absences will be attributed to the student from the first class meeting.

Students who enroll in a course but have "Never Attended" by the official census date, as reported by the faculty member, will be administratively dropped by the Office of Admissions and Records. A student who does not meet the attendance requirements of a class as stated in the course syllabus and does not officially withdraw from that course by the official census date of the semester, may be administratively withdrawn from that course and receive a grade of "X" or "F" as determined by the instructor. Instructors are responsible for

clearly stating their administrative drop policy in the course syllabus, and it is the student's responsibility to be aware of that policy.

It is the student's responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.

([http://catalog.southplainscollege.edu/content.php?catoid=47&navoid=1229#Class\\_Attendance](http://catalog.southplainscollege.edu/content.php?catoid=47&navoid=1229#Class_Attendance))

### **ASSIGNMENT POLICY**

The student is responsible for being prepared for class, which includes but is not limited to reading the assigned chapters and/or pages from the textbook. In some instances, information from the reading assignments not covered during class may be included on an exam.

### **COMPUTER USAGE**

As computer technology in the field of health occupations continues to become more popular, computers will be used in this course for several assignments. All students have access to computers and printers on the South Plains College campus. Students will be expected to utilize computers to access assignments and classroom resources. All registered students are supplied with a working email account from South Plains College. In order to take exams, students must have their user name and password.

**ALL STUDENTS ARE EXPECTED TO KNOW THEIR SPC STUDENT USER NAME AND PASSWORD.**

### **COMPUTER LAB USAGE**

The computer lab(s) on any campus may be used by students during scheduled open hours or as assigned by an instructor. Printer paper will not be provided for students to print materials but students may seek assistance from faculty or staff to request lab paper from the college if needed. Lack of computer lab paper is not an excuse for not having homework assignments, skills lab sheets, or any other required documents. Students should come prepared for class.

**GRADING POLICY** - Grades in this course will be determined using the following criteria:

*Grading Scale*

*90-100 = A*

*80-89 = B*

*75-79 = C*

*Below 75 is failing*

### **COMMUNICATION POLICY**

Electronic communication between instructor and students in this course will utilize the South Plains College email systems. Instructor will not initiate communication using private email accounts. Students are encouraged to check SPC email on a regular basis.

### **Campus Concealed Carry syllabus statement**

Campus Concealed Carry - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South

Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at:

[http://www.southplainscollege.edu/human\\_resources/policy\\_procedure/hhc.php](http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php)

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

### **PREGNANCY ACCOMMODATIONS STATEMENT**

If you are pregnant, or have given birth been within six months, under Title IX you have a right to reasonable accommodations to help continue your education. Students who wish to request accommodations must contact the Health and Wellness Center at 806-716-2529 to initiate the process.

### **STUDENT CONDUCT**

Rules and regulations relating to the students at South Plains College are made with the view of protecting the best interests of the individual, the general welfare of the entire student body and the educational objectives of the college.

As in any segment of society, a college community must be guided by standards that are stringent enough to prevent disorder, yet moderate enough to provide an atmosphere conducive to intellectual and personal development.

A high standard of conduct is expected of all students. When a student enrolls at South Plains College, it is assumed that the student accepts the obligations of performance and behavior imposed by the college relevant to its lawful missions, processes and functions. Obedience to the law, respect for properly constituted authority, personal honor, integrity and common sense guide the actions of each member of the college community both in and out of the classroom.

Students are subject to federal, state and local laws, as well as South Plains College rules and regulations. A student is not entitled to greater immunities or privileges before the law than those enjoyed by other citizens. Students are subject to such reasonable disciplinary action as the administration of the college may consider appropriate, including suspension and expulsion in appropriate cases for breach of federal, state or local laws, or college rules and regulations. This principle extends to conduct off-campus which is likely to have adverse effects on the college or on the educational process which identifies the offender as an unfit associate for fellow students.

Any student who fails to perform according to expected standards may be asked to withdraw.

Rules and regulations regarding student conduct appear in the current Student Guide.

### **SPECIAL REQUIREMENTS**

**Cell Phones** – Cell phones are permitted in class. They **MUST** be turned to silent. A student whose phone sounds during class, or is observed to be using the phone in any way without permission from the instructor will be sent home for the day with an absence.

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## **ACCOMMODATIONS**

### **DIVERSITY STATEMENT**

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

## DISABILITIES STATEMENT

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability. For more information, call or visit the Disability Services Office in the Student Health & Wellness Office, 806-716-2577.

## FOUNDATION SKILLS

### **BASIC SKILLS—Reads, Writes, Performs Arithmetic and Mathematical Operations, Listens and Speaks**

F-1 Reading—locates, understands, and interprets written information in prose and in documents such as manuals, graphs, and schedules.

F-2 Writing—communicates thoughts, ideas, information and messages in writing and creates documents such as letters, directions, manuals, reports, graphs, and flow charts.

F-3 Arithmetic—performs basic computations; uses basic numerical concepts such as whole numbers, etc.

F-4 Mathematics—approaches practical problems by choosing appropriately from a variety of mathematical techniques.

F-5 Listening—receives, attends to, interprets, and responds to verbal messages and other cues.

F-6 Speaking—organizes ideas and communicates orally.

### **THINKING SKILLS—Thinks Creatively, Makes Decisions, Solves Problems, Visualizes and Knows How to Learn and Reason**

F-7 Creative Thinking—generates new ideas.

F-8 Decision-Making—specifies goals and constraints, generates alternatives, considers risks, evaluates and chooses best alternative.

F-9 Problem Solving—recognizes problems, devises and implements plan of action.

F-10 Seeing Things in the Mind's Eye—organizes and processes symbols, pictures, graphs, objects, and other information.

F-11 Knowing How to Learn—uses efficient learning techniques to acquire and apply new knowledge and skills.

F-12 Reasoning—discovers a rule or principle underlying the relationship between two or more objects and applies it when solving a problem.

### **PERSONAL QUALITIES—Displays Responsibility, Self-Esteem, Sociability, Self-Management, Integrity and Honesty**

F-13 Responsibility—exerts a high level of effort and perseveres towards goal attainment.

F-14 Self-Esteem—believes in own self-worth and maintains a positive view of self.

F-15 Sociability—demonstrates understanding, friendliness, adaptability, empathy and politeness in group settings.

F-16 Self-Management—assesses self accurately, sets personal goals, monitors progress and exhibits self-control.

F-17 Integrity/Honesty—chooses ethical courses of action.

## SCANS COMPETENCIES

C-1 **TIME** - Selects goal - relevant activities, ranks them, allocates time, prepares and follows schedules.

C-2 **MONEY** - Uses or prepares budgets, makes forecasts, keeps records and makes adjustments to meet objectives.

C-3 **MATERIALS AND FACILITIES** - Acquires, stores, allocates, and uses materials or space efficiently.

**C-4 HUMAN RESOURCES** - Assesses skills and distributes work accordingly, evaluates performances and provides feedback.

**INFORMATION - Acquires and Uses Information**

C-5 Acquires and evaluates information.

C-6 Organizes and maintains information.

C-7 Interprets and communicates information.

C-8 Uses computers to process information.

**INTERPERSONAL—Works With Others**

C-9 Participates as members of a team and contributes to group effort.

C-10 Teaches others new skills.

C-11 Serves Clients/Customers—works to satisfy customer’s expectations.

C-12 Exercises Leadership—communicates ideas to justify position, persuades and convinces others, responsibly challenges existing procedures and policies.

C-13 Negotiates—works toward agreements involving exchanges of resources; resolves divergent interests.

C-14 Works With Diversity—works well with men and women from diverse backgrounds.

**SYSTEMS—Understands Complex Interrelationships**

C-15 Understands Systems—knows how social, organizational, and technological systems work and operates effectively with them.

C-16 Monitors and Corrects Performance—distinguishes trends, predicts impacts on system operations, diagnoses systems performance and corrects malfunctions.

C-17 Improves or Designs Systems—suggests modifications to existing systems and develops new or alternative systems to improve performance.

**TECHNOLOGY—Works with a Variety of Technologies**

C-18 Selects Technology—chooses procedures, tools, or equipment, including computers and related technologies.

C-19 Applies Technology to Task—understands overall intent and proper procedures for setup and operation of equipment.

C-20 Maintains and Troubleshoots Equipment—prevents, identifies, or solves problems with equipment, including computers and other technologies.

## COURSE OUTLINE

Friday 8/30/19

Study habits and test taking tips  
Medical Terminology (Chapter 2)  
Terms  
Prefixes, suffixes, root words  
Abbreviations

Friday 9/6/19

**PRE-TEST**  
**(NBSTSA Practice CST Exam computer lab 8:30)**

**PHARMACOLOGY HOMEWORK DUE**

Friday 9/13/19

**QUIZ – Medical Terminology**  
Microbiology and Wound Healing (Chapter 3/5)  
Sterilization Methods

**HOMEWORK PRACTICE EXAM 1 DUE**

Friday 9/20/19

**QUIZ – Microbiology, Wound Healing, Sterilization**  
Cardiothoracic Surgery (Chapter 15/16)

**MICROBIOLOGY HOMEWORK DUE**

Friday 9/27/19

**QUIZ – Cardiothoracic and Vascular Surgery**  
General Surgery Procedures (Chapter 8)  
**HOMEWORK PRACTICE EXAM 2 DUE**

Friday 10/4/19

OBGYN Procedures (Chapter 9)

**Friday**  
**10/11/2019**

**NO CLASS FALL BREAK BUT SEE BELOW!!!!**

**\*\*HOMEWORK PRACTICE EXAM 3 DUE\*\***

Friday 10/18/19

**QUIZ- General/OBGYN**  
Genitourinary Surgery

**INSTRUMENTATION HOMEWORK DUE**

**Friday 10/25/19**

**Guest Speaker, wear scrubs**

**QUIZ- GU**

ENT Surgery(Chapter 12/13)

Plastic Surgery

***HOMEWORK PRACTICE EXAM 4 DUE***

**Friday 11/1/19**

**Quiz Eye and ENT**

Orthopedic Surgery(Chapter 14)

**Friday 11/8/19**

*Neuro(Chapter 17)*

***HOMEWORK PRACTICE EXAM 5 DUE***

**Friday 11/15/19**

**Test Othro/Neuro**

**Friday 11/22/19**

**FINAL**

**Friday 11/29/2019**

Sleep/shop/whatever you like to do for Black Friday

**Friday 12/6/18**

**CERTIFICATION EXAM TESTING CENTER**



SRGT1291 - Special Topics in Surgery/Operating Room Tech

By signing and initialing below I affirm that I have received a copy or shown the online location of the following documents and furthermore acknowledge that I am solely responsible for the content of each.

- \_\_\_\_ Syllabus (SRGT1291\_200\_171S)
- \_\_\_\_ SPC Surgical Technology Program Handbook
- \_\_\_\_ SPC Clinical Handbook
- \_\_\_\_ South Plains College Grievance Policy
- \_\_\_\_ South Plains College GRADE AND ACADEMIC DISCIPLINE APPEALS

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
FALL 2018  
Semester