

Course Syllabus - Capstone

COURSE: SRGT1291 Special Topics in Surgery/Operating Room Tech (2 Credit Hours)
 SEMESTER: Fall 2021 (August-December; 16 Week Semester)
 CLASS TIMES: Fridays 8:30am – 10:30am
 Instructor: Paul Landsman, CST
 OFFICE: RC528
 OFFICE Hours: By appointment only
 OFFICE Phone: Paul Landsman: 806-716-4642
 E-MAIL: plandsman@southplainscollege.edu

PROGRAM FACEBOOK: <https://www.facebook.com/SPCSurgicalTechnology>

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.

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.

“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
- Homework
- Official NBSTSA Practice Certification exam (via internet)
- Comprehensive Final Exam

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.

EVALUATION METHODS

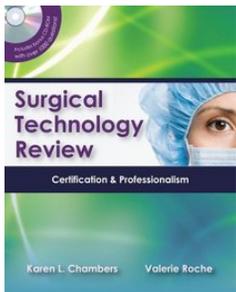
Computer-based exams, written exams, written assignments, quizzes, and other projects as assigned.

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 live and recorded
- 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.

Due to the importance of medical information being taught, the instructor of this course defines excessive absences as missing the upon the 4th class day (or having equivalent tardies) in a course section. A student who meets this criteria will be administratively dropped from the course by the instructor.

- Tardies: (Definition): arriving any time after the class has started or not returning from an approved break after class has started.
- Two tardies will be considered missing one class day and counted as such.
- **Work schedule is not** an excuse for missing class.
- Any exceptions to this policy must be discussed on an individual basis with the course instructor and the Surgical Technology Program Director. (i.e. – student hospitalization, immediate family member death, etc.)

Part of receiving credit for the course is that you be here. If you are late or absent for any reason other than severe illness, death, or a severe pressing matter, we reserve the right to mock you for your tardiness.

Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus.

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.

ASSIGNMENT AND EXAM POLICY

No late work will be accepted. Work is considered late after the end of the day of which the assignment is due. Assignments are not to be completed in class or lab; should a student be observed to be working on an assignment unless otherwise instructed, the student will be sent home with an absence for the day.

Make-up exams will not be given. If a student is more than 15 minutes tardy, **or** an exam has already been turned in, the student will not be allowed to begin the exam due to the delay it will cause in instruction. Students are not allowed to leave the room while exams are still being given. All personal business must be taken care of beforehand, or after all exams have been turned in.

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

The course grade will be determined by a combination of major exams, quizzes, homework, and a comprehensive final exam. Exam dates are listed below. The following guidelines are provided regarding exams:

1. The student is expected to complete the exam at the scheduled time. Make-up exams will **not** be given.
2. Late assignments will not be accepted.
3. The didactic final exam is comprehensive.

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

Grading Scale

90-100 = A

80-89 = B

75-79 = C

Below 75 is failing

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.

COMMUNICATION POLICY

- Electronic communication between instructor and students in this course will utilize the South Plains College “My SPC” and email systems. I will utilize text messaging and you may communicate with me this way also. The instructor will not initiate communication using private email accounts. Students are encouraged to check SPC email on a regular basis each week of class. Students will also have access to assignments, web-links, handouts, and other vital material which will be delivered via the classroom website. Any student having difficulty accessing the classroom website or their email should immediately contact their instructor for direction. The instructor will work with any student to ensure the student has access to a computer on campus and can obtain the needed class content that is located on the course website.

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 and lab. 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.

Dropping a class

Students should submit a [Student Initiated Drop Form](#) online.

Students will not be required to obtain an instructor signature to drop, however, we do encourage students to communicate with instructors or advisors prior to dropping a course when they are able. **There will be no charge for drops for the fall or spring semesters.**

Withdrawing from all classes

If a student wishes to withdraw from all courses, they should initiate that process with the Advising Office. They can schedule an appointment with an advisor by visiting <http://www.southplainscollege.edu/admission-aid/advising/spcadvisors.php> or by calling 806-716-2366.

Schedule Change (after late registration and before census date)

To make a schedule change after late registration (August 28) and before the census date (September 9), students should submit a [Schedule Change Form](#).

After late registration, adding a class requires instructor approval. If a student is requesting to be added to one of your courses and you approve, please email registrar@southplainscollege.edu with your approval. This can take the place of signature on the Schedule Change Form that we have required in the past.

For additional information regarding schedule changes, drops and withdrawals, [click here](#).

SPECIAL REQUIREMENTS (*Read Carefully)

- **Students must present the signature page acknowledging that the student has read and understands the content of syllabus, program and clinical handbook, grievance policy, and appeals process.**
- **These signature pages are due by Thursday of the first week of classes.**
- **Cell Phones** – Cell phones are to be turned OFF or silenced during scheduled class periods. **Text messaging is not allowed during scheduled class/lab times.** Cell phones are to be used outside the classroom or lab only on designated breaks. Students are not allowed to have cell phones on their person during exams.

ACCOMMODATIONS

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.

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 to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2577, Reese Center (also covers ATC) Building 8: 806-716-4675, Plainview Center Main Office: 806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529.

4.1.1.3 Non-Discrimination Statement

South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

4.1.1.4 Title IX Pregnancy Accommodations Statement

If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or email cgilster@southplainscollege.edu for assistance.

4.1.1.5 - Campus Concealed Carry Statement

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 and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.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.

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 9/3/2021 (IN CLASS)

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

Friday 9/10/2021 (IN CLASS)

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

PHARMACOLOGY HOMEWORK DUE SUNDAY 9/12

Friday 9/17/2021
ONLINE FOR LECTURE AND QUIZ
NO INCLASS MEETING

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

HOMEWORK PRACTICE EXAM 1 DUE SUNDAY 9/19

Friday 9/24/2021
IN CLASS QUIZ

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

MICROBIOLOGY HOMEWORK DUE SUNDAY 9/26

Friday 10/01/2021
IN CLASS QUIZ

QUIZ – Cardiothoracic and Vascular Surgery
General Surgery Procedures (Chapter 8)
HOMEWORK PRACTICE EXAM 2 DUE SUNDAY 10/3

Friday 10/8/2021
ONLINE ONLY

OBGYN Procedures (Chapter 9)

10/15/2021
NO CLASS FALL BREAK

Friday 10/22/2021
IN CLASS QUIZ

QUIZ- General/OBGYN
Genitourinary Surgery

INSTRUMENTATION HOMEWORK DUE SUNDAY 10/24

HOMEWORK PRACTICE EXAM 3 DUE SUNDAY 10/24

Friday 10/29/2021
NO CLASS QUIZ ONLINE

QUIZ- GU
Eye and ENT Surgery
Plastic Surgery

HOMEWORK PRACTICE EXAM 4 DUE SUNDAY 11/1

Friday 11/05/2021
ONLINE ONLY

QUIZ EYES/ENT
Orthopedic Surgery (Chapter 14)

Friday 11/12/2021
ONLINE ONLY

Neuro (Chapter 17)
HOMEWORK PRACTICE EXAM 5 DUE SUNDAY 11/14

Friday 11/19/2021
IN CLASS QUIZ

Test Othro/Neuro
ORTHO HOMEWORK DUE SUNDAY 11/21

Friday 11/26/20

No class. Sleep in, shop, do whatever you like to do for black Friday.....Just don't get COVID!!!!!!

FINAL WEEK

We will be in class November 29, 30, and December 1st for comprehensive reviews.

Friday 12/03/2021
IN CLASS QUIZ

Final exam

Wednesday 12/8/2021

CERTIFICATION EXAM TESTING CENTER
Room 823

Pinning Ceremony

As the COVID cases spike again, we are tentatively planning on our ceremony on December 10th. We are hoping to have the ceremony open to families, however cannot guarantee we will be allowed to have that large of a gathering. If this is the case, we will record our ceremony for online viewing for your families.



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 2021
Semester