Course Syllabus

COURSE: SRGT 1244 (2::1) Technological Sciences for the Surgical Technologist (<u>2 Credit Hours</u>)
SEMESTER: Summer 2024 (<u>June – August; 10 Week Semester</u>)
CLASS DAYS: Online via Blackboard
CLASS TIMES:
INSTRUCTOR: Paul Landsman CST, BAS
OFFICE: 223A
OFFICE HOURS: By Appointment
OFFICE PHONE: 806-716-4642
EMAIL: plandsman@southplainscollege.edu

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

GENERAL COURSE INFORMATION
*It is the responsibility of each student to be familiar with the content and requirements listed in the course syllabus, SPC Student Handbook, and Program Handbook. *

COURSE DESCRIPTION
This course covers specialized surgical modalities. Areas covered include endoscopy, microsurgery, therapeutic surgical energies, and other integrated science technologies.

<u>**Prerequisites:**</u> Introduction to Surgical Technology, Surgical Procedure 1 and 2

<u>**Corequisites:**</u>

COURSE OBJECTIVES AND LEARNING OUTCOMES

<u>**The Cognitive Domain Objectives:**</u>
- List and discuss the basic components and mechanisms of the laparoscopic and robotic systems
- Define electricity principles
- Define principles of LASERS and types of LASERS
- List the clinical applications of robotics in the operating room
- Outline basic concepts of robotics

<u>**The Psychomotor Domain Objectives:**</u>
- Apply electrical knowledge to safe patient care practices in the OR
- Explain different types of electrical current
- Explain terms related to LASERS

<u>**The Affective Domain Objectives:**</u>
- Discuss the pros and cons of robotic cases
- Apply knowledge of electricity to safe practices in the operating room
- Apply principles of physics to safe patient care

- Discuss basic concepts related to robotics
- Apply knowledge of LASER surgery
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OUTCOME ASSESSMENT METHODS

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

Formative assessments include:
- Discussions
- Quizzes
- Exams

Summative assessments include:
- A comprehensive written research paper

Evaluation methods

Computer-based exams, written exams, written assignment, simulation app, and quizzes.

Instructional methods

Methods of Instruction may include:
- Lecture
- Audio-Visual
- Reading assignments
- Written assignments
- Exams

GRADING FORMULA

A minimum of 75% on all exams and assignments is required to receive a passing grade for that exam or assignment. Students must earn an overall grade of 75% or better for each course section to pass that section.

Grades in this course will be determined using the following criteria:
The course grade will be determined by a combination of exams, homework assignments, quizzes, and a comprehensive written research paper. The following guidelines will be followed regarding coursework:

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 final exam is comprehensive.

Assessment Tools	%
Homework Assignments	25%
Touch Surgery	20%
Exams	25%
Research Paper	30%

Percentage Score	Grade
90-100	A
80-89	B
75-79	C
0-74	F

A final grade average of C (75) must be maintained in all Surgical Technology classes. You must pass this course to proceed to the next semester. Failure to maintain grades will be a dismissal of the SRGT program.

Grading Policies

To successfully complete this course, students are required to achieve a grade of 75% or higher. Those who do not meet this passing requirement will not be permitted to proceed within the SPC program.

ASSIGNMENT SUBMISSION POLICY

All assignments must be completed by the assigned due date. Late and/or incomplete work will not be accepted and a grade of zero will be recorded. Assignments, quizzes, exams, and skills that are missed due to an unexcused absence may not be made up. See the instructor for more specific information.

Exam Policy

The majority of student 'written' exams will be administered via computer to prepare them for the National Registry exam and some exams will be handwritten which will encourage memory and mastery of the material. Students should practice proper spelling and grammar when answering a written exam.
Additionally, many exam questions will be constructed in the same manner as national registry questions, allowing students to prepare for that testing format.

SPC Campus Policies

For information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title V Pregnancy Accommodations, CARE Team, COVID, and Campus Concealed Carry, please visit: https://www.southplainscollege.edu/syllabusstatements/

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.

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.

Please note: It is not ethical to ask AI to write a paper, and that includes apps like Grammarly and Chat.GPT which can do far more than just fix grammar and spelling, and they leave an AI footprint. In addition, students who use AI forfeit the opportunity to engage in the learning process and benefit from acquiring critical thinking, writing, and revision skills.

Plagiarism in any form will automatically result in a zero (no credit) for the assignment and can result in getting dropped from the course with an F. In addition, an Academic Dishonesty Report may be filed with the Dean of Students.

Attendance:

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.

Most of the education that is acquired through distance learning is a result of the interaction among the participants in the course, that is, the instructor and the students combined. Therefore, the instructor requests that each participant log-in at least 3 times a week. The instructor will take part in the discussion topics as appropriate. The discussion room will also function as office hours for the instructor, and will provide the opportunity to clarify issues and topics. Students may feel free to contact the instructor by email at any time. It is imperative that students log in throughout the week as the instructor may post announcements, additional clarifications and/or requirements. Students are responsible for ascertaining any changes that are made to the syllabus, week guidance, or course requirements.
Failure to complete two or more weeks assignments, exams, and/or discussion post will result in immediate removal from the class by the instructor with "F" being recorded for the grade.
(http://catalog.southplainscollege.edu/content.php?catoid=47&navoid=1229#Class_Attendance)
Due to the importance of the emergency medical information being taught, the instructor of this course defines excessive absences as not logging into the class twice a week and missing 4 assignments. A student who meets these criteria will be administratively dropped from the course by the instructor**.**

- Any exceptions to this policy must be discussed on an individual basis with the course instructor and the SRGT Program Director. (i.e. – student hospitalization, immediate family member death, etc.)

Drop and Schedule Change:

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.

Social Media

FACEBOOK/INSTAGRAM
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, to access this page.

Students are NOT allowed to contact faculty (full-time or part-time) through ANY Social Media platforms. This form of contact is not acceptable and extremely unprofessional and could result in dismissal from the Surgical Technology Program.

RESOURCES

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.

Syllabus Statements

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https://www.southplainscollege.edu/syllabusstatements/

COMMUNICATION
Email
Electronic communication between instructor and students in this course will utilize the South Plains College "My SPC" and email systems. I will utilize Remind messaging and you may communicate with me this way also between the hours of 7:30am to 8:00pm Monday - Friday. Please utilize email outside of those hours.
The instructor will not initiate communication using private email accounts. Students are required 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 directions. 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.

Cell Phone/Smart watch policy
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.

Text and Course materials:

Textbook(s):
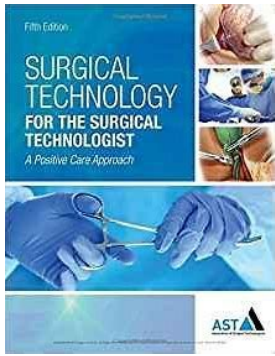
Surgical Technology for the Surgical Technologist: A Positive Care Approach, 5th ed., AST (**Text**) **and MindTap**

Computer: Needed for all exams, homework, and assigned projects. While a personal computer is not mandatory, multiple computer labs are available for student use during school hours, and laptops can be borrowed for in-class exams.

OneDrive: Each student must have a OneDrive account for the duration of the Surgical Technology Program. The Program Director or course instructor may request the uploading of files through this platform at various points throughout the course. This is FREE for every student.

SPC EMAIL – Students are required to have their SPC email in working order at all times.
- Instructor will not communicate using private email accounts.
- I will return e-mails within 24 hours. If you need immediate assistance, please call me 806-716-4643. If leaving a message please give your name, student ID #, and a good phone # to return your call

Remind – Students are required to sign up for Remind for the duration of the Surgical Technology Program, this is used for program communication. Students may use Remind system to alert the instructor after 7:00 am and before 8:00 pm. This system is NOT for use on testing, assignment or project questions please email the course instructor.

Additional Classroom Requirements:

METHODS OF TEACHING
- Lecture
- PowerPoint Presentation
- Review
- Quizzes
- Examinations

Students should be ready for class and complete all assignments weekly to succeed in this class.

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 username and password.

ALL STUDENTS ARE EXPECTED TO KNOW THEIR SPC STUDENT USERNAME AND PASSWORD.

Computer Lab Usage:

The computer lab(s) on any campus may be used by students during scheduled 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.

Course Schedule

	All Assignments are due every Sunday at Midnight. **No late work will be accepted**
Week 1	Look over syllabus and respond in the forum that you acknowledge that you have read over and fully acknowledge that you have read it and understand it.
Week 2	**Touch Surgery Assignment**: Mazor Robotic Guidance MIS TLIF **Homework: Robotics 1 and 2** (Read articles and take exams)

Week 3	**Lecture, PowerPoint: Electricity**
	          Fundamentals of electrical currents
	          Fundamentals of electrical equipment
	          Types of electrocautery used and safety when in use
	Homework: Electricity
	Quiz: Electricity
	Touch Surgery Assignment: Femoral Bypass

Week 4	**Lecture, PowerPoint: LASERS**
	          LASER energy
	          LASER safety, standards and regulation
	          LASER precautions and guidelines
	Exam and Homework: LASERS
	Touch Surgery Assignment: Femoral Nailing

Week 5	Nothing Due!
Week 6	**Research Paper Due** **Touch Surgery Assignment**: Cataract
Week 7	**Lecture, PowerPoint:** Positioning **Lecture, PowerPoint:** Sterilization **Homework:** Positioning **Exam:** Sterilization and Positioning **Touch Surgery Assignment:** Patient Positioning for Surgery
Week 8	**Touch Surgery Assignment:** AO L5/S1 Interlaminar Endoscopic Lumbar Discectomy
Week 9	*******August 1st******* **IN Class CST Review Quiz** **End of Summer Party/ Potluck/ Water balloon fight!**

SYLLABI ACKNOWLEDGEMENT STATEMENT

Required completion by the end of Week 1, Sunday, by 11:59pm.

After reading and understanding the contents of this syllabus:
- Go to SPC's Blackboard, https://southplainscollege.blackboard.com
- Choose the course
- Click on the Course content area
- Click on Syllabus Acknowledgment
- Click on Create Thread
- In the Subject field type: Syllabus
- In the Message field type:

I, (fill in your first and last name), student ID (xxxxxxx), have received, read, and understand the contents of the syllabus for the (Course title and number), Spring 2024. Date (today's date).