

### Course Syllabus

COURSE: SRGT 1442 (4:3:3) Surgical Procedures II (4 Credit Hours)  
SEMESTER: Spring 2014 (January- May; 16 Week Semester)  
CLASS TIMES: Wednesday 8:30am-11:30am, Lab Tuesday and Thursday  
INSTRUCTOR: Paul Landsman, CST  
OFFICE: RC 512  
OFFICE HOURS: Fridays and by appointment only  
OFFICE PHONE: 806-716-4642  
E-MAIL: [plandsman@southplainscollege.edu](mailto: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

This course is an introduction to surgical wounds, surgical pathology, and its relationship to surgical procedures. Emphasis is placed on surgical procedures related to OB/GYN, ENT, Orthopedic, Neurological, Peripheral Vascular, and Cardiothoracic surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.

### STUDENT LEARNING OUTCOMES

Students will:
1. Increase his/her knowledge base of the surgical environment. 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. Gain the confidence necessary to function as a team member in the Operating Room. F-13, F-14, F-15, F-16, F-17
3. Prepare him/her for full-time clinical rotations. F-1, F-2, F-5, F-6, C-5, C-6, C-7
4. Prepare to function as a Surgical Technologist. F-1, F-2, F-5, F-6, F-7, F-8, F-9, F-10, F-12, F-13, F-14, F-15, F-6, F-17, C-1, C-2, C-3, C-4, C-5, C-6, C-7, C-9, C-10, C-11, C-12, C-13, C-14, C-15, C-16, C-17, C-18, C-19, C-20

## COURSE OBJECTIVES

### The Cognitive Domain Objectives:

- Define the role of the Surgical Technologist in the OR
- Identify the various members of the surgical team
- List the basic steps and instrumentation required for a variety of surgical procedures
- Identify medications and their uses in surgery

### The Psychomotor Domain Objectives:

- Utilize basic surgical instrumentation and OR equipment safely and effectively
- Demonstrate proper care of surgical instruments
- Assist in positioning and draping the surgical patient
- Describe various surgical supplies and their uses/application

### The Affective Domain Objectives:

- Discuss the different options of surgical interventions in various specialties
- Demonstrate the communication skills necessary to function with other health care professionals
- Apply detailed knowledge of anatomy and physiology to surgical procedures of various specialties

## OUTCOMES ASSESSMENT METHODS

Assessment methods for this course are both formative and summative.

### **Formative assessments include:**

- Chapter exams
- Case study

### **Summative assessment will be a:**

- 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.

In other words if an article is on Wikipedia, various websites, magazines and or books, and you are not the author of said article, it is considered plagiarism if you turn this article in as your own work. We all hate when Wikipedia copies our homework! However, it is your responsibility to prove that the author actually stole this wonderful article from your homework assignment.

### SCANS and FOUNDATION SKILLS

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

### WORKPLACE COMPETENCIES

This course does not include a Capstone Component.

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## SPECIFIC COURSE INFORMATION

### TEXT AND MATERIALS



1. Surgical Technology for the Surgical Technologist: A Positive Care Approach, 4<sup>th</sup> ed., AST (**Text**)
2. Surgical Technology for the Surgical Technologist: A Positive Care Approach, 4<sup>th</sup> ed., AST (**Study Guide and Lab Manual**)

### METHODS OF TEACHING

- Lecture
- PowerPoint Presentation
- Question and Answer
- Demonstration
- Discussion/Case Studies

### ATTENDANCE POLICY

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

### 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 before hand, or after all exams have been turned in.

## GRADING POLICY

The course grade will be determined by a combination of the following: (any date changes will be announced):

(7)Homework	15%
(5)Exams	30%
(1)Case study	20%
(1)Comprehensive Final	35%

<i>Grading Scale</i>	<i>91-100 = A</i>
	<i>81-90 = B</i>
	<i>75-80 = C</i>
	<i>Below 75 is failing</i>

A final grade average of C (75) must be maintained in all Surgical Technology classes. You must pass all courses to proceed to the next semester.

## COMMUNICATION POLICY

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

## STUDENT CONDUCT

Students in this class are expected to abide by the standards of student conduct as defined in the SPC Student Guide pages 11-14.

**There are no stupid questions. If you have a question, please ask.**

**You are under no pressure to sound like a genius every time you speak!**

**You are primarily in lab to practice skills, not to check and update facebook which seems to be the popular thing to do in class.**

**Your participation in the form of questions, comments and feedback is invited and appreciated. However, every semester there’s at least one person who incessantly asks questions just to try to be funny, argue, or cause trouble. Nobody appreciates this behavior and it is counter productive. You know who you are, please leave those attributes in your car on the way into the building.**

## 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.

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## COURSE OUTLINE

**Course Outline is subject to change by instructor.**

### Lecture Topics

- A. Wound Healing, Sutures, Needles, Stapling
- B. OB/GYN Surgery
- C. Ear, Nose, and Throat Surgery
- D. Orthopedic Surgery
- E. Neurosurgery
- F. Peripheral Vascular Surgery
- G. Cardiovascular/Thoracic Surgery

**Thursday 1/22/15: *power point, lecture***

**Syllabus, question/answer**

**Chapter 11 – Wounds, Suture, Needles, Stapling**

- Types of wounds
- Inflammatory Process
- Types of wound healing

**Thursday 1/29/15: *power point, lecture***

**Continue Chapter 11**

- Factors influencing wound healing
- Complications of wound healing
- Sutures
- Needles
- Stapling

**Homework Chapter 11**

**Thursday 2/5/15: Exam / *power point, lecture***

**Homework Chapter 11 due**

**Exam Chapter 11**

**Chapter 15 – OBGYN Surgery**

- Anatomy
- Special Instrumentation, Drugs, Equipment and Supplies
- OR Setup, positioning, draping
- Surgical procedures - OB

**Thursday 2/12/15: *power point, lecture***

**Finish Chapter 15**

- Surgical procedures – GYN
- Surgical interventions

**Homework Chapter 15**

Thursday 2/19/15: **exam, power point, lecture**

Homework Chapter 15 due

Exam Chapter 15

**Chapter 17 – Ear Nose and Throat Surgery**

- Anatomy – Ear
- Pathology – Ear
- Special Instruments, supplies, drugs
- Procedures – Ear

Thursday 2/26/15: **power point, lecture**

**Continue Chapter 17**

- Anatomy – Nose and Sinuses
- Pathology – Nose and Sinuses
- Diagnostics
- Special Instruments, supplies, drugs
- Procedures – Nose and Sinuses
- Anatomy – Upper aerodigestive tract
- Pathology – UADT
- Diagnostics
- Special Instruments, supplies, drugs
- Procedures – UADT

**Homework Chapter 17**

Thursday 3/5/15: **exam, power point, lecture**

Homework Chapter 17 due

Exam Chapter 17

Assign Case Studies\*

**Chapter 21 – Orthopedic Surgery**

- Bone and bone tissue
- Pathology
- Skeleton
- Equipment
- Supplies

Thursday 3/12/15: **power point, lecture**

Finish Chapter 21

- Procedures

Homework Chapter 21

**\*\*\*Spring Break – 3/16 Through 3/20\*\*\***

Thursday 3/26/15: **power point, lecture**

Test Chapter 21

**Chapter 24 – Neurosurgery**

- Anatomy
- Pathology
- Infection
- Spinal tumors

- Procedures
- Advances in Neurosurgery

**Homework Chapter 24**

**Thursday 4/2/15: exam, power point, lecture**

**Homework Chapter 21 and 24 due**

**Exam Chapters 21/24**

**Chapter 23 – Peripheral Vascular Surgery**

- Anatomy
- Pathology
- Interventions/Procedures

**Homework Chapter 23**

**Thursday 4/9/15: power point, lecture**

**Homework Chapter 23 due**

**Chapter 22 – Cardiothoracic Surgery**

- Anatomy of the chest
- Anatomy and physiology of the heart
- Pathology
- Diagnostics – thorax and cardiac

**Thursday 4/16/15: power point, lecture**

**Finish Chapter 22**

- Procedures:
  - Thoracic
  - Cardiac adult
  - Cardiac pediatric

**Homework Chapter 22**

**Thursday 4/23/15: exam, power point, review**

**Homework Chapter 22 due**

**Exam Chapters 22/23**

**Case Study Presentations**

**Thursday 4/30/15: COMPREHENSIVE FINAL EXAM**

**Finish Case Study Presentations**

**5/4/15 through 5/14/15: (Scheduled comprehensive lab skills finals)**

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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 to the Disability Services Office. For more information, call or visit the Disability Services Office through the Guidance and Counseling Centers at Reese Center (Building 8) [716-4606](tel:716-4606), or Levelland (Student Services Building) [716-2577](tel:716-2577).

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## 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.

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## 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.



SRGT1442 Surgical Procedures II

I \_\_\_\_\_ have received a copy of the South Plains College Student Guide. I understand that I must comply with all areas of the Student Guide as a student in the Surgical Technology Program and South Plains College.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date