

This is a SouthArk Master Syllabus. The course syllabus distributed by the instructor may include additional requirements, must be followed by the student in the given term, and is considered to supersede the Master Syllabus.

Course Number
SURG 1123

Course Title
Fundamentals of Surgical Technology Skills Laboratory

Course Description

Student will observe and demonstrate the principles and procedures taught in SURG 1106 in the laboratory setting. This experience provides the student the opportunity to practice skills in a non-patient contact environment prior to the clinical experience.

College Mission

South Arkansas Community College promotes excellence in learning, teaching, and service; provides lifelong educational opportunities; and serves as a cultural, intellectual, and economic resource for the community.

College Wide Student Learner Outcomes

Critical Thinking Responsibility Communication

ACTS Course **Program Course** Surgical Technology

ACTS Outcomes

Program Outcomes

1. Collaborate professionally with patients, their significant others and with all members of the healthcare team (Affective).
2. Promote interest, pride, and concern in the well-being of the community and its citizens through their contributions as surgical technologists (Cognitive, Affective, Psychomotor).
3. Practice clear effective communication skills, both written and non-written (Psychomotor, Affective).
4. Facilitate a teamwork atmosphere, that is responsive to and centers on the surgical patient's needs (Cognitive, Affective, Psychomotor).
5. Examine and incorporate the Association of Surgical Technologist scope of practice guidelines, rules, regulations, and ethical standards in the practice of surgical technology (Cognitive, Affective).
6. Demonstrate proficiency of learned scientific principles and integrate these concepts in the practice of safe competent care for the consumer (Cognitive, Affective, Psychomotor).
7. Prepare competent entry-level surgical technologist in the cognitive, psychomotor, and affective learning domains.
8. Support professional certification and life-long learning through continuing education to improve knowledge and skills performance (Cognitive, Affective, Psychomotor).

Course Outcomes

CLO #	Course Outcomes	Unit Outcomes/ Competencies	ACTS	Program Outcomes	Critical Thinking	Communication	Responsibility	Assessment
CLO 1	Displays appropriate key elements of standard precautions and infection control measures. [Cognitive – Knowledge, comprehension, and application. Psychomotor – Utilizing imitation, manipulation following oral or written directions and finally precision (independent performance)]	1-7		4-7			R2	Practicum I Evaluation Tool: 1-22 Fundamentals Skills Check-off
CLO 2	Considers the principles of surgical fundamentals such as aseptic technique, storage and handling of sterile supplies, sterilization, and disinfection	1-7		1-7	CT1			Practicum I Evaluation Tool: 4-19

	efficiently and safely. [Cognitive–Knowledge, comprehension, and evaluation].							Fundamentals Skills Check-off
CLO 3	Assembles appropriate equipment for assigned procedure setup. Organizes a comprehensive pre-case supply and equipment check including orthopedic equipment, dermatomes, tourniquets, suction units, endoscopes, microscopes, cryotherapy units, electrosurgical units, irrigation/aspiration units, laser equipment, monitors, and emergency equipment. [Cognitive–Knowledge. Psychomotor–Utilizing imitation, manipulation following oral or written directions, and finally precision independent performance.]	5,6		1-7	CT1			Practicum I Evaluation Tool: 2, 3, 4, 18 Fundamentals Skills Check-off
CLO 4	Considers basic steps, possible variations, and principles of surgical technique and planning to patients of all ages and physical conditions for a variety of procedures by formulating or modifying the patient’s case plan. [Cognitive – Knowledge, comprehension, and application. Affective – Responding, receiving, and valuing.]	7		1-7		C-1		Practicum I Evaluation Tool: 1-22 Fundamentals Skills Check-off
CLO 5	Formulate procedural steps and simulates performance (independent) of patient care procedures correctly and safely such as skin preparation, positioning, draping, catheterization, vital signs, and cardiopulmonary resuscitation. [Cognitive- Knowledge and application. Psychomotor – Utilizing imitation, manipulation following oral or written directions and finally precision (independent performance).]	1-7		1-7	CT1			Practicum I Evaluation Tool: 1-22 Fundamentals Skills Check-off
CLO 6	Identifies, manipulates and manages instruments (classifications), sutures, needles, catheters, drains, surgical packing and dressings, and other types of specialty supplies and equipment with precision. [Cognitive – knowledge, application. Psychomotor -Utilizing imitation, manipulation following oral or written directions, and finally precision (independent performance)].	1-7		1-7	CT1			Practicum I Evaluation Tool: 2, 4-19, 21, 22 Fundamentals Skills Check-off
CLO 7	Demonstrates ability to progress from the ability to imitate basic scrub skills in the lab setting, manipulate case setup according to oral or written instructions. [Psychomotor – Utilizing imitation, manipulation following oral or written directions, and finally precision (independent performance) and articulation (ability to perform within a reasonable time frame and according to procedure). Note: (Cognitive and Affective aspects are integral aspects of the overall performance.)]	1-7		1-7	CT1			Practicum I Evaluation Tool: 1-22 Fundamentals Skills Check-off

Unit Outcomes/ Competencies

1. Preoperatively:
 - a. Donning OR attire
 - b. Basic hand wash
 - c. Back table
 - Open sterile package
 - Arrange supplies and instruments
 - Assemble a Balfour abdominal retractor
 - d. Open a sterile basin on ring stand
 - e. Instrument set

- Open wrapped set
 - Open container system
 - Remove instrument set from container system
 - f. Open sterile supplies
 - Small wrapped package placed on sterile field
 - Small wrapped package secured by surgical technologist
 - Peel pack
 - g. Pour sterile solution
 - h. Surgical scrub
 - i. Gown and glove self
 - j. Mayo stand set up
 - Drape
 - Arrange instruments and supplies
 - Construct a sponge stick
 - Load and unload a scalpel blade and scalpel handle
 - k. Suture and ties
 - Transfer suture packets to the sterile back table
 - Straighten sutures
 - Cut ties in $\frac{1}{4}$, $\frac{1}{3}$, and $\frac{1}{2}$ lengths
 - l. Fill bulb syringe
 - m. Draw up medications
 - Vial held by circulator
 - Receive medication(s) onto sterile field
 - Label medications
 - n. Gown and glove another person
 - o. Drape patient
 - Laparotomy
 - Vagina
 - Extremity-Leg
2. Intraoperative
- a. Recognize, prepare, and pass instruments
 - b. Suture and ties
 - Load and pass NH swaged needle; right-and left-handed surgeon
 - Load free needle onto NH: thread suture: pass and reload
 - Tag and cut sutures
 - Pass ties: free hand; instrument
 - c. Contaminated sterile attire
 - Re-glove
 - Re-gown
3. Postoperative
- a. Dressings
 - Assemble and apply abdominal dressings
 - Assemble and apply a Montgomery strap dressing
 - b. Connect ostomy bag to stoma site
 - c. Drains
 - Connect Hemovac®
 - Connect Jackson-Pratt®
 - Connect chest tube to chest drainage system
 - d. Remove sterile gown and gloves
 - e. Disinfecting OR
 - End of case
 - Terminal
4. Perioperative
- a. Sponge, sharp, and instrument counts
5. Assistant circulator role
- a. Turn and tie sterile gown
 - b. Transporting patient
 - Prepare patient stretcher
 - Transport patient from ward room to pre-op, holding, or OR

- c. Transferring patient
 - Stretcher to OR table
 - OR table to stretcher
- d. Taking vital signs
 - Temperature
 - Pulse
 - Respiration
 - Blood Pressure
- e. Electrosurgery
 - Position grounding pad
 - Connect Bovie pencil cord to ESU
 - Complete ESU checklist
- f. Sellicks maneuver
- g. Positioning patient
 - Supine
 - Lateral
 - Prone
- h. Urinary catheterization
 - Straight catheter a male
 - Straight catheter a female
 - Foley catheterization - male and female
- i. Position a pneumatic tourniquet cuff
- j. Patient skin prep
 - Abdomen
 - Vagina
 - Extremity
- k. Connect suction
- l. Documentation
 - Lab test requisition
 - Pathology – specimen
- 6. Disinfection and Sterilization
 - a. Hand wash instrumentation
 - b. Disinfect an endoscope
 - c. Assemble an instrument set
 - d. Packaging items for sterilization
 - Peel pack
 - Container system
 - Envelope fold wrap
 - Square fold wrap
 - e. Operate steam sterilizer
 - Flash
 - Routine
 - f. Operate Sterrad Steam™ System
- 7. Case management
 - a. Preoperative
 - b. Intraoperative
 - c. Postoperative

Assessment Description(s)

Student will be evaluated through assignments, quizzes, exams as well as in the laboratory setting based on skills performance and given a percentage grade based on each skill check-off and all other assignments given in the lab.

Student will be evaluated in the clinical setting based on skills performance.

Materials and Technological Requirements

Surgical Technology: Principles and Practice; Fuller 6th Edition; Elsevier

Surgical Technology: Principles and Practice Work Book; Fuller 6th Edition; Elsevier

Alexander's Care of The Patient in Surgery; 15th Edition; Elsevier

Pharmacology for the Surgical Technologist; Snyder and Keegan 3rd Edition; Elsevier

Differentiating Surgical Equipment and Supplies; 2nd Edition; F.A. Davis

Differentiating Surgical Instruments; 2nd Edition; F.A. Davis

Class Attendance Policy

Students are expected to attend all classes in which they are enrolled. If a student is absent from a class session, it is the student's responsibility to make arrangements to complete or make up any work missed. No make-up work for missed classes will be allowed without the approval of the instructor. Students who enroll late must assume all responsibility for work missed. Classes not attended as a result of late enrollment may be counted toward excessive absences. Students not attending the entire class period may be counted absent for that period. An instructor may drop students with a grade of "WE" if students have been absent for an excessive number of days. Warning letters will be sent to the students advising them of the consequences of nonattendance and urging them to contact their instructors immediately. Excessive absences are defined as follows:

Regular Semester

Courses which meet once a week	2 absences
Courses that meet twice per week	3 absences
Courses that meet four times per week	5 absences

Summer Session

Courses that meet four times per week in a five week session	3 absences
Courses which meet two evenings per week in a 10 week session	3 absences

Students enrolled in special programs or individualized instruction should contact their program director/instructor regarding specific attendance requirements for the program/course. Some of the selective-admission, health-science programs have specific criteria regarding attendance. Students are encouraged to refer to program policies in these matters.

Jury Duty/Military/Official School Function

Scheduled absences are those that occur due to college-related activities or as a result of summons to jury duty or military duty. Classes missed as a result of scheduled absences will not be counted as excessive absences if the instructor is notified and provided documentation prior to the absence(s). Make-up work for scheduled absences will be at the discretion of the instructor.

In all instances, documentation must be provided to the instructor within 24 hours of receipt. Documentation should come from an appropriate party on letterhead or other official stationery with a signature and contact information. Documentation should list the corresponding dates of the leave.

Medical leave

For medical-related absences, documentation must include written notice from the treating medical professional documenting time needed off related to medical reasons and time student may resume classes. The medical reason does not need to be listed on the documentation; the documentation must include only that there is a medical reason, the amount of time the student needs to be absent, and the time the student should be able to return to classes. Students who elect to work at home while on excused leave must meet with their instructors to make arrangements to do so. Working on coursework while on medical leave is not a requirement but can be requested by students. If students request that they be allowed to work at home while on an excused leave, the instructor will make every reasonable effort to ensure that the student is able to do so.

For students who have a medical condition necessitating time off or accommodation:

- 1) They may work at home on assignments if they choose to if on medical leave approved by a medical professional
- 2) Receive appropriate accommodations related to coursework (i.e., excused from labs with potentially harmful chemicals, have a larger desk, etc.)
- 3) Resume their studies where they left off once they return to classes
- 4) Be allowed to make up any missed work related to medical leave
- 5) Receive incompletes on their transcripts until coursework is completed, according to the incomplete grade contract.
- 6) Be given a reasonable time frame in which to complete missed coursework

Academic Honesty Policy

Students enrolled at South Arkansas Community College are expected at all times to uphold standards of integrity. Students are expected to perform honestly and to work in every way possible to eliminate academic dishonesty. Academic dishonesty includes cheating and plagiarism, which are defined as follows:

- Cheating is an attempt to deceive the instructor in his/her effort to evaluate fairly an academic exercise. Cheating includes copying another student's homework, class work, or required project (in whole or in part) and/or presenting another's work as the student's own. Cheating also includes giving, receiving, offering, and/or soliciting information on a quiz, test, or examination.
- Plagiarism is the copying of any published work such as books, magazines, audiovisual programs, electronic media, and films or copying the theme or manuscript of another student. It is plagiarism when one uses direct quotations without proper credit or when one uses the ideas of another without giving proper credit. When three or more consecutive words are borrowed, the borrowing should be recognized by the use of quotation marks and proper parenthetical and bibliographic notations.

If, upon investigation, the instructor determines that the student is guilty of cheating or plagiarism, the following penalties will apply:

- The student will receive a penalty of no less than a zero on the work in question.
- The instructor will submit a written report of the incident to the Vice President for Learning
- The Vice President for Learning will determine whether further disciplinary action will be taken.
- All decisions may be appealed for review through the college's Academic Appeals procedure.

Equal Opportunity-Affirmative Action Statement

South Arkansas Community College does not discriminate on the basis of age, race, color, creed, gender, religion, marital status, veteran's status, national origin, disability, or sexual orientation in making decisions regarding employment, student admission, or other functions, operations, or activities.

Library Services

Library Homepage: <http://southark.libguides.com/homepage> Library Contact: LibraryStaff@southark.edu or 870.864.7115

Procedures to Accommodate Students with Disabilities:

If you need reasonable accommodations because of a disability, please report this to the Vice President of Student Services with proper documentation. . VPSS Contact: 870.875.7262

The Early Alert System

In an effort to ensure student retention and success, South Arkansas Community College employs an Early Alert System to identify and support at-risk students as soon as possible in a given semester. The intent of Early Alert is to provide this assistance while there is still time to address behaviors or issues that have the potential of preventing students from completing their courses and degree plans. Students referred through the Early Alert System will be required to work on a corrective action plan with their student advising coach and to include attendance accountability and mandatory academic tutoring either in the academic division or in the Testing and Learning Center (TLC).

Once the Student Advising Coach has met with the referred student, and again when the student has met the prescribed corrective actions, the coach will update the Early Alert System so that the instructor is kept informed of the progress in resolving issues.

Behavioral Review Team

At South Arkansas Community College (SouthArk), we are committed to proactive leadership in student wellbeing and campus safety. By focusing on prevention and early intervention with campus situations that involve any person experiencing distress or engaging in harmful or disruptive behaviors, the BRT will serve as the coordinating hub of existing resources to develop intervention and support strategies and offer case management. Students, faculty, staff, and campus guests are encouraged to report any person on campus who is a concern. BRT Contact: 870.875.7262 BRT@southark.edu

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