



Technical College of the Lowcountry
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SUR112
Surgical Practicum 1
SU 2019

Course Description

SUR 112 Surgical Practicum I

Lec. 2 Lab. 6 Cr. 4

This course includes the application of preoperative theory under clinical supervision.

Prerequisites: CPT 101 or CPT 170, ENG 101, PSY 201, SUR 103, SUR 104, SUR 106, and AHS 121.

Course Focus

Emphasis is placed on the scrub and circulating roles of the Surgical Technologist including aseptic technique and basic case preparation for select surgical procedures. Upon completion, students should be able to prepare, assist with, and dismantle surgical cases in both the scrub and circulating/assisting roles. In addition, a system to system approach to surgical procedures and related anatomy, pathology, specialty equipment, team responsibility, patient safety, and specific pharmacology used in Plastic and Reconstructive surgery, Peripheral Vascular surgery and Cardiovascular surgery will be discussed. Plastic/Reconstructive, Peripheral Vascular and Cardiovascular surgical procedures will also be addressed.

Text and References

1. Surgical Technology for the Surgical Technologist, A Positive Approach, 5th Edition, Association of Surgical Technologists.
2. Surgical Technology Principles and Practice, 7th Edition, Elsevier/Saunders.
3. AST, Surgical Technologist Certifying Exam Study Guide, 2nd Edition, AST

Course Outcomes

Upon successful completion of this course, the student will be able to: Discuss the relevant anatomy, indications for surgery, patient preparation, special equipment and supplies, purpose and expected outcomes, and possible complications for the procedures in the surgical specialties of Plastic/Reconstructive, Peripheral Vascular surgery and Cardiovascular Surgery. In addition, the student will have reviewed the areas of: 1) Administrative and personnel duties, 2) Equipment sterilization and maintenance, 3) Anatomy and physiology, and 4) Microbiology in preparation for the national certification exam.

Course Goals

The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives. (*designates a CRUCIAL goal)

1. indicate surgical instruments supplies and drug uses
- *2. evaluate preoperative patient checklist
3. illustrate peripheral vascular relevant anatomy
4. demonstrate surgical identification process
5. define thoracic related terminology
6. recognize respiratory system anatomy
7. assess preoperative intraoperative and postoperative patient care variations
- *8. recognize immediate postoperative care needs
9. recognize possible surgical procedure complications
10. interpret expected outcomes
11. interpret surgical procedure purpose
12. prepare lab supplies
13. determine intraoperative patient preparation
- *14. demonstrate safe patient transportation methods
15. name surgical supplies and drugs
16. determine preoperative diagnostic procedures
17. determine preoperative preparation procedures
18. summarize surgical intervention pathology
19. discuss possible surgical complications
20. utilize special equipment and supplies
21. discuss surgery indications
22. discuss surgical purpose
23. weigh expected outcomes
- *24. complete patient preparation
25. define cardiovascular surgery terminology
26. define peripheral vascular terminology
27. illustrate cardiovascular relevant anatomy

- *28. summarize surgical steps
- *29. describe OR emergency procedures
- 30. select surgical instruments
- 31. review assigned cases
- *32. utilize sterile principle techniques
- *33. wear protective eyewear
- *34. wear surgical technologist attire
- *35. assist surgeon
- 36. breakdown case setup
- 37. perform catheterization
- 38. prepare intraoperative catheter and drains
- 39. use proper documentation
- *40. address surgical patient needs
- *41. assess surgical team needs
- 42. review patient chart
- 43. perform patient homeostatic parameter monitoring
- *44. position or furniture and equipment
- *45. employ surgical scrub techniques
- 46. collect case supplies instruments and equipment
- 47. employ donning surgical attire principles
- 48. follow surgical skin preparation steps
- 49. perform basic positioning
- 50. explain anesthesia preparation components
- *51. identify safe transfer equipment
- *52. employ body mechanic principles
- 53. utilize patient transfer methods
- 54. analyze informed consent legal concepts
- *55. analyze informed consent procedure
- *56. monitor sterile field

Student Contributions

Classes are designed to employ a variety of teaching techniques. In order to maximize learning, required readings and Web enhanced sections should be done prior to class. If a student is falling behind in clinical performance and/or academic achievement, it is imperative to seek immediate assistance from the instructor.

Weekly Evaluation Tools

Evaluation tools (evaluations and case cards) are evaluated by your clinical instructor on a weekly basis. You are to sign and date each as presented to you for verification purposes only. Comments can also be made on the tools. Case preparation workbook are to be completed in its entirety. Incomplete case logs and case preparation workbooks submitted or evaluated with be returned to student for corrections. Case logs are to be completed as individual case specific criteria has been met (solo scrub or first scrub) and the case is to be entered on the Procedures Case Cards by Monday of the following week. Each student will attempt to meet the 120 cases established in the 6th Core Curriculum by the completion of the last clinical rotation. Each student will receive a clinical evaluation for each clinical rotation. Three incomplete submissions on clinical documentation will result in an “unsatisfactory” clinical grade. The clinical paperwork component of the course is evaluated as **satisfactory** or **unsatisfactory**. An **unsatisfactory** will result in a verbal warning by the program director and/or clinical adjunct. A second **unsatisfactory** will result in a written Learning Contract. A third **unsatisfactory** will result in the implementation of disciplinary action. Clinical paperwork encompasses:

1. Review Card
2. Weekly Case Log Form
3. Procedure Case Card

All clinical paperwork is to be turned in by the student each Tuesday during the clinical rotation period by 9:00am. All paperwork due on Tuesday is to be placed in the box of the Program Director, located in Room 115 of the Health Sciences building. Any late, incomplete, illegible, or misspelled Review Card (Book) or Weekly Case Log will be considered **unsatisfactory**, and appropriate measures will apply. In consideration of the technical components of the Procedure Case Card, students will be allowed one revision for new surgical procedures. Revisions will not be accepted for repeat surgical procedures. Any late, illegible, or misspelled Procedure Case Cards will be considered **unsatisfactory**, and appropriate measures will apply. All revised Procedure Case Cards are due on Thursday of the week of initial submission, in the box of the Program Director in Room 115 of the Health Sciences building, by 9:00am.

Final Clinical Evaluation

Final clinical evaluations are performed by your clinical instructor, based on your overall performance for the semester. Along with the standardized form, your clinical instructor will meet with the student for a one-on-one conference regarding the clinical evaluation. The student will sign and date the clinical evaluation and retain the evaluation in their clinical notebook.

Course Evaluation

2 Unit Tests (15%)	30%
5 Quizzes (10%)	50%
Final Exam (20%)	<u>20%</u>
Total	100%

GRADING POLICY

Grading	Scale
90% - 100% A	W withdraw
82% - 89% B	WP withdraw with passing grade
75% - 81% C	WF withdraw with failing grade
70% - 74% D	I Incomplete
Below 70% F	

Grading Methodology. The final grade must be 75.000 or more in order to pass the course and progress in the program. Grades will not be rounded up. Students absent from an examination or presentation will receive a “0” grade for the examination unless other arrangements are made with the individual instructor prior to the examination or presentation day or on the examination or presentation day before the test/presentation is scheduled to be given. It is the responsibility of the student to contact the appropriate instructor to arrange to make up the examination. Arrangements may be completed by telephone. If the instructor is not available, a message should be left on the instructor’s voice mail AND with another member of the faculty or administrative assistant. The make-up exam will be scheduled on the day of the course final; the instructor will decide the method of examination. Messages sent by other students are unacceptable. The student is responsible for notifying the instructor for the reason of the absence. Grades are posted on Blackboard within one week of administration of tests and examinations.

Course Schedule

Lecture: Class – Tuesday and Thursday: 9:00am - 12:00pm

Clinical: Mondays and Wednesdays: 6:45am – 3:15pm

Course Structure

Classes are designed to employ a variety of teaching/learning strategies. In order to maximize learning, required readings should be done prior to a unit. If a student is falling behind in clinical performance or academic achievement, it is imperative to seek immediate assistance from the instructors.

Clinical Experience

During this course students will do a two day a week, six-week rotation at a designated facility. The summer clinical assignment will take place at one facility and will be included in SUR 112 and SUR 113. They are responsible for their own transportation to and from clinical. Each clinical day is 8 hours. Students are required to sign in and sign out in the attendance log provided at each site.

In order to perform at a satisfactory level in the clinical area, students must be prepared, on a daily basis, to do the following:

- Complete surgical cases with the assigned preceptor;
- Complete case preparation notebook
- Arrive on time and in proper attire;
- Accurately perform surgical technology skills;
- Correctly apply all previously mastered knowledge, skills, and abilities.

Students not prepared to complete his/her assigned case(s) will be given an unsatisfactory for the day. A learning contract will be implemented as a result of the unsatisfactory performance.

Assessment Testing

Assessment tests are given to assist in the evaluation of individual student progress and to support student success. Mandatory assessment testing used in the Surgical Technology program will be; 1) Two National Certification Practice Examinations and, 2) The National Certification Exam. The second practice examination will be taken in July, 2019 (date and time to be announced) and the National Certification examination will be taken on Monday, July 29, 2019.

Other Required Materials

TCL student uniforms, name badge, eye protection

Pocket size notebook, review cards

Dosimeter badges

ADA STATEMENT

The Technical College of the Lowcountry provides access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation, contact the counselor for students with disabilities at (843) 525-8228 during the first ten business days of the academic term. (Refer to student and division handbooks for additional information.)

ATTENDANCE

The College's statement of policy indicates that students must attend ninety percent of total class hours or they will be in violation of the attendance policy.

1. Students not physically attending class during the first ten calendar days from the start of the semester must be dropped from the class for NOT ATTENDING.
2. For all online courses, students must complete an assignment designated by the instructor during the **first week** of classes. The instructor will drop the student from the course if the initial assignment is not completed. Instructors will withdraw students from class when 90% attendance is not maintained. Attendance in an online course is defined by; at least **once weekly** course access, and by completion of assignments as required by the instructor. Each student will be expected to access the web class at least once a week and complete weekly assignments on time. Additional access is encouraged and may be necessary for successful completion of classes.
3. Reinstatement requires the signature of the division dean.

- a. In the event it becomes necessary for a student to withdraw from the course **OR if a student stops attending class, it is the student's responsibility to initiate and complete the necessary paperwork.** Withdrawing from class may have consequences associated with financial aid and time to completion. Students are strongly encouraged to consult with Financial Aid prior to withdrawing from any class, particularly if the student is currently on a warning or probation status.
 - b. When a student exceeds the allowed absences, the student is in violation of the attendance policy. The instructor **MUST** withdrawal the student with a grade of "W" or "F" depending on the date the student exceeded the allowed absences and the student's progress up to the last date of attendance
or
 - c. under extenuating circumstances and at the discretion of the faculty member teaching the class, allow the student to continue in the class and make-up the work. This exception must be documented at the time the allowed absences are exceeded.
 - d. Absences are counted from the first day of class. There are no "excused" absences. All absences are counted, regardless of the reason for the absence.
4. A student must take the final exam or be excused from the final exam in order to earn a non-withdrawal grade.
 5. Students are expected to be in class *on time*. Arrival to class after the scheduled start time or leaving class prior to dismissal counts as a tardy. Class, clinical, and lab times are measured by the clock in these teaching areas. Three tardies and/or early departures are considered as one absence unless stated otherwise. Students must notify the clinical unit and leave a message on the administrative assistant's voice mail **PRIOR** to their clinical start time and follow proper steps outlined in syllabus addendum and Nursing Student Handbook depending upon student's tardiness or being absent from the clinical setting. Failure to do so **WILL RESULT IN DISMISSAL FROM THE PROGRAM.**
 6. It is the student's responsibility to sign the roll/verify attendance with instructor upon entering the classroom. Failure to sign the roll/verify attendance results in a recorded absence. In the event of tardiness, it is the student's responsibility to insure that attendance is marked. **The student is responsible** for all material/ announcements presented, whether present or absent.
 7. Continuity of classroom and laboratory (which includes clinical experiences) is essential to the student's progress in providing safe and competent patient care. Students are expected to use appropriate judgment for participating in clinical activities. To evaluate the student's knowledge and skills, it is necessary for the student to be present for all clinical experiences. **If an absence does occur, the designated clinical site and program director must be notified by telephone no later than 30 minutes prior to the start of the clinical experience.** If the program director cannot be notified then the student is to contact the Division of Health Sciences Administrative Assistance. If it is prior to 8:00am the student is to leave a voice message stating their name, clinic site that they were unable to reach the program director and they were not going to be in attendance at their clinical site for that specific day. The HS telephone number is 843-525-8267. Text messaging or telling another student to relay the message is a violation of the attendance policy and the absence will be considered a **"No call, no show."**

Please refer to the Division Handbook for clarification of the No Call/No Show process.

CLINIC ELIGIBILITY

Absences from the clinical area are strongly discouraged. The attendance policy applies to clinical activities. **“No call, no show”** for clinical demonstrates unprofessional conduct and the student will be **withdrawn from the program**. TCL health science policies state that if a student cannot complete a clinical rotation they will not be able to remain in their respective program. The following are excerpts from handbooks:

*Please note the following excerpt from the Division of Health Sciences Student Handbook For Students in all Health Sciences Programs; Section I.C.#10. “A student will not be able to progress in the course sequence if: ... C. 5. “failure to manage one’s behavior in such a manner as to have an adverse effect on the relationship with a patient, significant other, clinical site, or colleague. (p. 4 of Attached Division Student Handbook). Also, The Surgical Technology Student Handbook, states on p. 26: **“Clinical Education Rotations:** Every effort is made to ensure that students receive a fair and equitable learning experience, as such, students in the surgical technology program must be eligible to complete their clinical rotations at any clinical education site. During clinical education experiences, each student is a representative of the TCL ST program and must comply with all TCL and ST program policies when participating in clinical education rotations. In addition, when students are at a clinical site, they are responsible for abiding by all policies and procedures of that respective clinical site.” Proper behavior and professional behavior are discussed at health science student orientation and reiterated numerous times throughout the program. Students are made aware that they are to maintain appropriate professional standards at all clinical sites. Proper behavior and professional behavior are discussed at the Health Science Student Orientation and reiterated throughout the program. It the responsibility of the student to maintain appropriate professional standards at all clinical sites at all times.*

Honorlock Online Proctoring and Technology Requirements

TCL uses an online test proctoring service called *Honorlock* to monitor online tests as an alternative to in-person proctoring. Your instructor may elect to have some of your tests proctored using *Honorlock*. If so, you will need to make sure that you have access to the necessary equipment in order to take your online-proctored tests:

1. A computer with access to a high-speed internet connection
2. The ability to install the Honorlock extension on Google Chrome.
3. A webcam and microphone. A functioning webcam and microphone are required to complete proctored online tests.
4. *Microsoft Office*. *Microsoft Office* can be downloaded for free by accessing the Office 365 link in your TCL email account.

No watches, fitness devices or watches capable of text messaging will be worn during testing in addition to no caps or hats will be worn. All electronic devices are to be turned off or placed in an airplane mode. There is a 10-point penalty on the test for any noise emitting from an electronic device.

*During on campus examinations, only answers transferred and completed on Scantron sheets will be graded electronically to count towards the test score.

No course grades are posted in public areas. Grades are available through Self Service. The student must go to the college's website www.tcl.edu Select current student then select Self Service and find: (1) the directions and a demonstration on how to log in to Self Service, and (2) how to access grades. For questions, contact the TCL Help Desk at 525-8344 or the Registrar's office at 525-8210.

A copy of TCL's STATEMENT OF POLICY NUMBER: 3-1-307 CLASS ATTENDANCE (WITHDRAWAL) is on file in the Division Office and in the Learning Resources Center.

COMPUTER REQUIREMENTS

To ensure successful completion of an online course, a student should have an appropriately equipped computer. Use the guidelines included on the TCL website.

USER RESPONSIBILITY ON USE AND DUPLICATION OF COMPUTER SOFTWARE (TCL PROCEDURE 7-1-702.5).

Students are responsible for the legal use of computer software and applicable copyright laws and are prohibited from copying software on College computers and from installing personal software.

COURSE POLICIES AND PROCEDURES

It is clearly to the advantage of the student to attend class regularly. Test materials are weighted heavily in favor of lecture materials. **All cell phones and pagers must be turned off during class (lecture and laboratory periods).** No pagers or phones are allowed in the clinical facility. No exceptions are made to this rule. Students are held accountable for content in the surgical technology student handbook. Instructors will excuse a student from class who disrupts the class.

COMMUNICATION

Instructors will generally respond to voice mail messages and e-mail messages as soon as possible. If there is a problem, the student should remember that a face-to-face meeting with the instructor is best. Student should contact instructor to make an appointment. **It is HIGHLY recommended that students should check their TCL email daily.**

Contact information for instructors is listed on the course syllabus.

The student is responsible for making sure that the instructor and College has his/her current contact information, including telephone number(s) and e-mail address.

All students are expected to establish a TCL email account. The student is responsible for checking the course Blackboard site and TCL email account daily for course announcements and email.

Voice Messages

Instructors' telephone numbers and the Division Administrative Assistant's telephone number are listed on the course syllabus.

When leaving a voice mail message for the instructor, the student should speak slowly and clearly. He/she should leave accurate information including accurate telephone number(s) where he/she may be reached. It is helpful to repeat the telephone number at the very end of the voice message.

The Division Administrative Assistant is available on class days from 8:00-5:30 pm. A message left with the Administrative Assistant will be received by the instructor when he/she checks the mailbox. The most efficient way to get a voice mail message to an instructor is to leave a voicemail at the instructor's contact number listed on the course syllabus.

E-mail Messages

The instructor's e-mail address is listed on the course syllabus. When e-mailing the instructor, the student should identify herself/himself in the body of the message. Identifying information should include name, course, and section in which the student is enrolled, and a telephone number where he/she may be reached. With the tools provided by the browser, it might be helpful to create a "signature" with this information for all e-mails.

HAZARDOUS WEATHER

In case weather conditions are so severe that operation of the College may clearly pose a hardship on students and staff traveling to the College, notification of closing will be made through the following radio and television stations: WYKZ 98.7, WGCO 98.3, WGZO 103.1, WFXH 106.1, WWVV 106.9, WLOW 107.9, WGZR 104.9, WFXH 1130 AM, WLVA 101.1, WSOK 1230 AM, WAEV 97.3, WTOG TV, WTGS TV, WJWJ TV, and WSAV TV. Students, faculty and staff are highly encouraged to opt in to the Emergency Text Message Alert System. www.tcl.edu/textalert.asp

ACADEMIC MISCONDUCT

There is no tolerance at TCL for academic dishonesty and misconduct. The College expects all students to conduct themselves with dignity and to maintain high standards of responsible citizenship.

It is the student's responsibility to address any questions regarding what might constitute academic misconduct to the course instructor for further clarification.

The College adheres to the Student Code for the South Carolina Technical College System. Copies of the Student Code and Grievance Procedure are provided in the *TCL Student Handbook*, the Division Office, and the Learning Resources Center.

Health care professionals hold the public trust. Academic misconduct by health science students calls that trust into question and academic integrity is expected.

It is a fundamental requirement that any work presented by students will be their own. Examples of academic misconduct include (but are not limited to):

1. copying the work of another student or allowing another student to copy working papers, printed output, electronic files, quizzes, tests, or assignments.
2. completing the work of another student or allowing another student to complete or contribute to working papers, printed output, electronic files, quizzes, tests, or assignments.
3. viewing another student's computer screen during a quiz or examinations.
4. talking or communicating with another student during a test.

5. violating procedures prescribed by the instructor to protect the integrity of a quiz, test, or assignment.
6. plagiarism in any form, including, but not limited to: copying/pasting from a website, textbook, previously submitted student work, or any instructor-prepared class material; obvious violation of any copyright-protected materials.
7. knowingly aiding a person involved in academic misconduct.
8. providing false information to staff and/or faculty.
9. entering an office unaccompanied by faculty or staff.
10. misuse of electronic devices.

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