Technical College of the Lowcountry　　　　　　　　　　**JoLane Collins**
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SUR 106
Advanced Surgical Procedures
Spring 2019

Course Description
SUR 106 Advanced Surgical Procedures
Lec. 2 Cr. 2
This course is a study of advanced surgical procedures.
Prerequisites: AHS 103, AHS 130, BIO 112, SUR 104.
Corequisites: CPT 101 or CPT 170, ENG 101, PSY 201, SUR 103, SUR 104,
and AHS 121.

Course Focus
This course is a study of advanced surgical procedures.

Text and References
1. Surgical Technology Principles and Practice, 7th Edition, Elsevier/Saunders.
2. Workbook to accompany Surgical Technology Principles and Practice, 7th Edition Elsevier/Saunders
3. Pocket Guide to the Operating Room, 3rd Edition, Goldman.
4. "Surgical Instrumentation, An Interactive Approach", Nemitz, Renee, 2010
   Operating Room Skills, Fundamentals for the Surgical Technologist, Dankanich, 2013,

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. wash hands
2. demonstrate pulse monitoring
3. define opthalmic key terms
4. identify temperature monitoring techniques
5. demonstrate temperature monitoring
6. position patient*
7. assess preoperative intraoperative postoperative care variations
8. assemble surgical supplies and equipment*

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9. identify pulse and pressure points*
10. appreciate previously mastered knowledge skills and abilities*
11. perform surgical technology skills
12. dress in surgical technologist attire*
13. arrive on time*
14. complete surgical cases*
15. define maxillofascial key terms
16. define ears nose throat key terms
17. explain surgical procedure*
18. determine abnormal pathology
19. anticipate expected outcomes*
20. discuss surgical purpose*
21. summarize surgical steps
22. maintain environmental ophthalmic surgery awareness
23. identify microscopic instruments
24. explain temperature variation implications
25. obtain patient temperature*
26. describe normal pulse measurement values
27. use effective patient communication*
28. clean equipment
29. decontaminate equipment
30. maintain infection control measures*
31. record vital signs*
32. interpret respiratory terminology
33. demonstrate respiratory monitoring
34. measure blood pressure*

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.

Course Evaluation

6 Unit Tests (10% each)	60%
6 Quizzes (.3% each)	18%
Final Exam	10%
Case Study	12%
Total	100%

In April, 2019, students will take the first of two on-line practice exams in preparation for the national certification exam. Each test consists of 175 multiple choice questions related to information presented throughout the surgical technology courses. Students who do not achieve a minimum score of 100 will be required to meet with the program director and complete the prescribed remediation. Required remediation is due prior to the final exam. Failure to complete the testing or required remediation by the established dates will result in a grade of **Incomplete ("I")** for the course and non-progression in the surgical technology program. Students having difficulty with either the test or remediation components

of this course must meet with the program director three (3) business days or more in advance of the established due dates.

All students are required to remove ALL watches of any kind during exams and quizzes and place them in the front of the classroom with personal belongings and electronics

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

Honorlock Online Proctoring and Technology Requirements
TCL uses on online test proctoring service called Honorlock to monitor some 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:

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

Course Schedule
Lecture: Thursday -10:00pm-12:00pm

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) 525-8219 or (843) 525-8242 during the first ten business days of the academic term.

ATTENDANCE
The College's statement of policy indicates that students must attend **(90) 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. Students taking an online/internet class must sign in **and** communicate with the instructor within the first ten calendar days from the start of the semester to indicate attendance in the class. Students not attending class during the first ten calendar days from the start of the semester must be dropped from the class for NOT ATTENDING.

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", "WP", or "WF" 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. Three tardies and/or early departures are considered as one absence unless stated otherwise.

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 absence does occur, the designated clinical site, in addition to the Division of Health Sciences Administrative Assistant, must be notified by telephone no later than 30 minutes prior to the start of the clinical experience. The Division of Health Sciences telephone number is 843-525-8267.

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.

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, WLVH 101.1, WSOK 1230 AM, WAEV 97.3, WTOC 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.

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 **75.00** or more in order to pass the course and progress in the program. 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 instructor will decide the time and

method of make-up examinations on an individual basis. Messages sent by other students are unacceptable. The student is responsible for notifying the instructor for the reason of the absence. Any student arriving greater than 10 minutes late (according to clock in room where exam is being held) will be considered absent and must follow the criteria stated above or will receive a "0" grade on the exam. Grades are posted on Blackboard within one week of administration of tests and examinations.

COURSE POLICIES/PROCEDURES

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- Microsoft Office. Microsoft Office can be downloaded for free by accessing the Office 365 link in your TCL email account.

1. It is clearly to the advantage of the student to attend class regularly. Test materials are weighted heavily in favor of lecture materials.
2. **All cell phones and pagers must be turned off during class (lecture and laboratory periods).** No pagers or phones are allowed in the clinical area. No exceptions are made to this rule.
3. Students are held accountable for content in the **Surgical Technology** program student handbook   http://www.tcl.edu/pdf/2007
4. Instructors will excuse a student from class who disrupts the class.
5. No course grades are posted in public areas. Grades are available through WebAdvisor. The student must go to the college's website www.tcl.edu Select current student then select TCL WebAdvisor and find: (1) the directions and a demonstration on how to log in to WebAdvisor, and (2) how to access grades. For questions, contact the TCL Help Desk at 525-8344 or the Registrar's office at 525-8210.

Course Coordinator: JoLane Collins, CST, CSPDT, ATC, MA Ed., FAST
                                   Surgical Technology Program Director
OFFICE LOCATION: Building. 4, Room 202
OFFICE PHONE: 843-470-8415
Office Hours: By Appointment
Email: jmcollins@tcl.edu

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ADDENDUM TO SUR 106 SYLLABUS

SURGICAL PROCEDURES – DIDACTIC

OBSTETRIC AND GYNECOLOGIC

Content:
I. Cervical
    A. Cervical biopsy
    B. Cervical cerclage (Shirodkar's procedure)
    C. Dilation and curettage (D&C)
    D. Hysteroscopy
II. Uterine, ovarian, and fallopian tubes
    A. Uterine
        1. Cesarean section
        2. Endometrial ablation
        3. Hysterectomy
            a. Laparoscopic
            b. Robotic assisted
            c. Total abdominal
            d. Vaginal
        4. Myomectomy
        5. Uterine radiation seeding
    B. Ovarian
        1. Oophorectomy
    C. Fallopian tubes
        1. Ectopic pregnancy
        2. Salpingectomy
        3. Sterilization procedures
        4. Tuboplasty
III. External genitalia
    A. Labioplasty
    B. Perineal laceration
    C. Vulvectomy
IV. Vaginal
    A. Ablation of condylomata
    B. Marsupialization of Bartholin's gland (cystectomy)
V. Pelvic
    A. Anterior and posterior repair (colporrhaphy)
    B. Diagnostic laparoscopy
    C. Total pelvic exenteration
    D. Wertheim procedure

GENITOURINARY

Content:
    I.   Kidney, ureter & bladder
        A. Kidney
            1. Nephrectomy
            2. Kidney transplant
            3. Wilm's tumor excision (adrenalectomy)
        B. Ureter
            1. Ureteroscopy
            2. Ureteropyelithotomy
        C. Bladder
            1. Cystoscopy
                a. TURBT
            2. Cystecotmy with creation of ileal conduit
            3. Suspension (TVT/sling)
    II.   Prostate
        A. TURP
        B. Prostatectomy
            1. Laparoscopic with robot
            2. Suprapubic
        C. Prostate seeding
    III.   Penile
        A. Circumcision
        B. Epispadias repair
        C. Hypospadias repair
        D. Penile implant insertion
        E. Penectomy
    IV.   Testicular
        A. Hydrocelectomy
        B. Orchipexy
        C. Orchiectomy

ORTHOPEDIC

Content:
- I. Shoulder
  - A. Acromiplasty
    - 1. Open
    - 2. Arthroscopic
  - B. Arthroscopy
  - C. Bankart procedure
    - 1. Open
    - 2. Arthroscopic
  - D. Total arthroplasty
- II. Radius
  - A. ORIF
  - B. External fixator
- III. Hip
  - A. Total arthroplasty
  - B. ORIF
- IV. Femur
  - A. Femoral shaft fracture
    - 1. Rodding
- V. Knee
  - A. Arthroscopy
  - B. Anterior cruciate ligament (ACL)
  - C. Amputation
    - 1. Above-the-knee (A/K)
    - 2. Below the knee (B/K0
  - D. Total arthroplasty
- VI. Ankle and foot
  - A. Achilles tendon repair
  - B. Triple arthrodesis
  - C. Bunionectomy