

**Houston Community College
Coleman Campus for Health Sciences
Surgical Technology Program
Fall 2010 CRN# 57378 and 65853
Professor Jerilyn L. Garcia, CST,AAS**

Catalog Description: **SRGT 1405 – Introduction to Surgical Technology I (Credit 4 semester hours Lecture 3, Lab 3)**

Co-requisite: Full time students must be currently enrolled in SRGT 1409 and SRGT 1361. Some students will also be enrolled in SRGT 1201 and SCIT1407 or completed these courses during another semester.

Prerequisite: High school graduate, asset exam, and acceptance into program.

Course Description: Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences, and patient care concepts.

Purpose and Rationale: Explain the physical, interpersonal, and ethical aspects of the operating room environment; relate basic concepts of surgical pharmacology and anesthesia; identify basic concepts of technological sciences; and identify and demonstrate patient care concepts.

SCANS Competencies:

Upon completion of this course the student should have the following competencies and foundations:

SYSTEMS: C16 Monitor and Corrects System Performance

Description:

Distinguishes trends, predicts impact of actions on system operations, diagnoses deviations in the function of a system/organization, and takes necessary action to correct performance. Demonstrating competence in monitoring and correcting performance includes identifying trends and gathering needed information about how the system is intended to function; detecting deviations from system's intended purpose; troubleshooting the system; and making changes to the system to rectify system functioning and to ensure quality of product.

Objective:

Demonstrate the ability to analyze trends and deviations in positioning patient in the OR.

Description of Module:

Each student will complete questions which address correct positioning of patients in the OR and identification of areas that require verification of correct positioning/padding to prevent damage to a patient body system.

BASIC SKILLS: F3 Arithmetic

Description:

Performs basic computations; uses basic numerical concepts such as whole numbers and percentages in practical situations; makes reasonable estimates of arithmetic results without a calculator; and uses tables, graphs, diagrams, and charts to obtain or convey quantitative information.

Objective:

Demonstrates the ability to use mathematical techniques and data to calculate the correct amount of medication to have on the sterile field.

Description of Module:

A pharmacology presentation will be given. A written test will be used for assessment. A minimum score of 70 will be achieved by each student.

BASIC SKILLS: F4 Mathematics

Description:

Approaches practical problems by choosing appropriately from a variety of mathematical techniques; uses quantitative data to construct logical explanations for real world situations; expresses mathematical ideas and concepts orally and in writing; and understands the role of chance in the occurrence and prediction of events.

Objective:

Demonstrates the ability to use mathematical techniques and data to calculate the correct amount of medication to have on the sterile field.

Description of Module:

A pharmacology presentation will be given. A written test will be used for assessment. A minimum score of 70 will be achieved by each student.

THINKING SKILLS: F9 Problem Solving

Description:

Recognizes that a problem exists (i.e., there is a discrepancy between what is and what should or could be); identifies possible reasons for the discrepancy; devises and implements a plan of action to resolve it; evaluates and monitors progress; and revises plan as indicated by findings

Objective:

The student must perform a circulating role for a video final exam. This is done with another student performing the opposite role of the other student. The two students must work out logistics of the roles for each randomly selected procedure that they are assigned demonstrating proper aseptic technique and sequence of events.

Description of Module:

The students are assigned a grade for the circulating role by established criteria.

THINKING SKILLS F10 Seeing Things in the Mind’s Eye

Description:

Organizes and processes symbols, pictures, graphs, objects or other information; for example, sees a building from a blueprint, a system’s operation from schematics, the flow of work activities from narrative descriptions, or the taste of food from reading a recipe.

Objective:

The student will demonstrate abstract thinking skills (seeing things in the mind’s eye) by combining all the basic lab skills in a video final in the circulating role.

Description of Module:

The evaluation tool is established criteria for evaluation of the circulating role. The student will receive a grade. A minimum score of 70 must be achieved to continue in the program.

Course Textbooks:

Required reading: ***Surgical Technology for the Surgical Technologist***, Association of Surgical Technologists, Delmar, Latest Edition.

Required reading: ***Alexander's Care of The Patient in Surgery***, Rothrock, J.C. and Meeker, M.H., C. V. Mosby, Latest Edition.

Attendance Policy:

Refer to the Houston Community College System college catalog.

All surgical technology students will refer to the Surgical Technology Student Handbook for specific policies regarding this program.

Pagers / Cell Phones:

During classroom sessions and clinical, pagers and/or cell phones not permitted.

<u>Grading Scale:</u>	90-100	A	4 Points
	80- 89	B	3 Points
	70- 79	C	2 Points
	Below 75	F	0 Points

Grading Policies:

Grade Calculation:

Theory Exams	10%
Lab Exams	10%
Final Exam	15%
Video Lab Final	55%
Attendance	5%
Web CT Utilization	5%

Guidelines for Attendance Grade

0 Day -	100%
1 Day -	90%
2 Days -	80%
3 Days -	70%
4 Days -	Administrative Withdrawal

Quizzes and Tests: These tests may consist of multiple choice, true / false, completion and/or short answer questions.

Skills Testing: Skills testing will be conducted utilizing the Basic Skill Check Off Lists. The Basic Skill Check Lists for each skill can be obtained in the course contents of WebCT. Listed below are the 19 basic skills for SRGT 1405:

1. Basic Handwash
2. Draw Up Medication Unsterile Team Member
3. Draw up Medication Sterile Team Member
4. Open Glove Technique
5. Positioning – Lateral
6. Positioning – Lithotomy
7. Positioning – Prone
8. Positioning – Supine
9. Prepare a stretcher
10. Remove Soiled Gloves
11. Sellick Maneuver
12. Skin Prep
13. Transport Patient from Stretcher to OR Bed
14. Transport Patient from OR to PACU
15. Urinary Catheterization
16. Vital Signs – Blood Pressure
17. Vital Signs – Pulse
18. Vital Signs – Respirations
19. Vital Signs – Temperature

A return demonstration must be done on each basic skill. This is part of your lab grade for this class. The skills can only be demonstrated two times for a grade. On the second return demonstration a 70 is the highest grade that a student can make.

Theory and Lab Finals: Final **theory and lab exams will be taken only one time. There are no retakes.** The video lab final will be administered first. A passing grade of 70 or higher in the circulating role is required to take the theory final. It is mandatory that the student passes both the theory and the video lab final for this course with a minimum grade of 70. The theory and video lab finals are exit exams for this class.

Student Access and Success:

Limited on-line and personal tutoring is available in all classes offered in this program.

ADA Statement: “Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Disability Services Office at the respective College at the beginning of each semester. Faculty are authorized to provide only the accommodations requested by the Disability Support Services Office.” If you have any questions, please contact the Disability Counselor at your College Dr. Raj K. Gupta, 713-718-7631.

HCCS course materials/student records will be maintained for five years. HCCS will not allow records released to anyone unless specifically granted by the student.

Early Alert Syllabus Statement

The Houston Community College Early Alert program has been established to assist in the overall effort to retain students who are at risk of failing, withdrawing, or dropping a course. This process requires instructional faculty and student support staff to identify students who are performing poorly as early as possible and provide relevant support services to help students overcome their deficiencies. A student is identified when an instructor notices academic or personal difficulties that affect student’s academic performance. The possible problem (s) could be tardiness, missed/failed test scores, excessive absences, or a number of other circumstances. Once a referral is made counselors will then contact students to discuss the issues and possible solutions to their academic difficulties.

Syllabus is subject to change.

SRGT 1405 – Introduction to Surgical Technology I Student/Instructor Agreement

Student Responsibilities:

1. Adhere to all Surgical Technology Policies and Procedures as outlined in class/handbook.
2. Attendance policies of HCCS will be strictly enforced in this program. Non-compliance may result in dismissal from this program.
3. Actively participate in lecture and skills sessions.
4. Avoid any disruptive or abusive behavior while in the learning sessions, and while in the College facilities or its affiliates.
5. Be courteous and respectful to the instructors and guest lecturers.
6. Assist the instructors as directed.
7. Read the course textbooks as assigned.
8. Be responsible for the course objectives as distributed in the class.
9. A final grade of 70% or higher or higher is required to pass any class in this program.
10. It is the student's responsibility to sign a contract for every class that he/she attends in this program. The student's signature will verify that he/she has read the syllabus and understands what is expected in this class/program. The course contract can be obtained from the course content section of each course.
11. Complete all classroom assignments for grading on agreed date, and time.
12. Turn in all paperwork/assignments on time. There is a one-week grace period for all assignments in this program. 10 points will be subtracted for all late assignments. No assignment will be accepted after one week. Student will receive a grade of 0.
13. When the student is absent, it is the student's responsibility to make an appointment with the instructor to find out what assignments/ work has been missed and when it is due.
14. Tutoring is mandatory for any grade below 70. You will be responsible for scheduling your tutorial session.
15. Follow the "chain of command" regarding questions or problems.
16. Academic dishonesty is grounds for immediate dismissal.
17. This is a smoke-free campus.
18. It is the responsibility of the student to sign-in for every class that is attended. If the student does not sign the roll; the student will be marked absent.
19. Any student who is late 14 minutes or less for class will be counted as tardy.
20. Any student who is more than 15 minutes late for class will be counted as absent.
21. A student must be on time for all tests. There is no grace period when a test is administered. 10 points will be subtracted from a student's test grade for tardiness and/or make-up test.
22. Random drug screens may be performed at any time during this program. The Surgical Technology Program has a zero tolerance drug policy.

Instructor Responsibilities:

1. Be helpful, courteous, and impartial during the class.
2. The instructor will grade all course materials in a timely fashion, review them when possible.
3. The instructor will provide office hours for the student to discuss their progress in the course.
4. The instructor will enter grades in mygrade.com for student information and progress.
5. The instructor will make tutoring available when requested when a tutor/instructor is available. Also, see number 14 in student responsibilities.
6. The instructor will protect the confidentiality of the student's progress. An individual login and password for mygradebook.com will be provided to each student.
7. The instructor will provide positive reinforcement for the student during learning process.
8. The instructor will be prepared for the class.
9. The course syllabus is provided through WebCT. Computer labs are available on all HCC Campuses and hours of operation are posted.

HOUSTON COMMUNITY COLLEGE SYSTEMS
COLEMAN HEALTH SCIENCE CAMPUS
SURGICAL TECHNOLOGY PROGRAM
STUDENT CONTRACT

SRGT 1405

I, _____, hereby certify that I have read the course
(Print your name.)

syllabus. I understand all the rules and regulation printed in the syllabus and will adhere

to these expectations. I understand what is expected of me throughout the term of this

course. I understand that **Academic Dishonesty, cheating**, is grounds for immediate

dismissal from the entire program.

Date

Student's Signature

Student's Social Security Number

Date

Instructor's Signature