



Purpose: It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

Course Title – Fundamentals of Perioperative Concepts and Techniques

Course Prefix and Number – SRGT 1409

Department – Surgical Technology

Division - AH

Course Type: (check one)

- Academic General Education Course (from ACGM – but not in WCJC Core)
- Academic WCJC Core Course
- WECM course (This course is a Special Topics or Unique Needs Course: Y or N)

Semester Credit Hours # : Lecture Hours # : Lab/Other Hours # 4:2:6

Equated Pay hours for course - 5

Course Catalog Description - In-depth coverage of perioperative concepts such as aseptic/sterile principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field.

Prerequisites/Co-requisites - Admission to the Surgical Technology program

List Lab/ Other Hours
Lab Hours 6
Clinical Hours
Practicum Hours
Other (list)

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Date 10/7/2013

Reviewed by Department Head Melissa Bruton

Date 10/7/2013

Accuracy verified by Division Chair Carol Derkowski

Date 10/23/2013

Approved by Dean or Vice President of Instruction Lac

Date 12/12/2013



I. Topical Outline – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, clinical or other non-lecture instruction):

Upon successful completion of this course the student will be able to:

- A. Discuss the concepts of asepsis and demonstrate their applications
- B. Define surgical conscience and identify and implement its application in relation to the surgical patient and all principles of asepsis.
- C. Identify principles and demonstrate techniques of sterilization.
- D. Identify principles and demonstrate techniques of disinfection and antisepsis.
- E. Define electricity.
- F. Identify the terms related to electricity and electrical flow.
- G. Identify the basic principle of electrical flow.
- H. Identify the types of electrical current.
- I. Define the components of an electrical receptacle.
- J. Apply electrical knowledge to safe patient care practices in the O.R.
- K. Define the terms related to physics.
- L. Apply the principles of physics to safe patient care practices in the O.R.
- M. Discuss the basic concept related to robotics.
- N. Describe the concepts of geometry that are used in the design of surgical robots.
- O. Identify the basic components and mechanisms of the robotic system.
- P. List the clinical applications of robotics in the O.R.
- Q. Apply the principles of robotics to safe patient care practices in the O.R.

II. Course Learning Outcomes

Learning Outcomes	Methods of Assessment
<p>Upon successful completion of this course, students will:</p> <p>Identify and demonstrate principles and practices of aseptic techniques; explain infectious processes and concepts of wound healing; and create and maintain a sterile field utilizing basic case preparation and procedures.</p>	<p>Written Reports Study Guide assignments Unit Exams Lab Exam Clinical Readiness Exam</p>

III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.

Surgical Technology for the Surgical Technologist, latest edition, Delmar.
Alexander’s Care of the Patient in Surgery. Latest edition. Meeker and Rothrock, published by Mosby.

IV. Suggested Course Maximum - 16

V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.

Surgical Technology mock Operating Room

VI. Course Requirements/Grading System – Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course

Unit exams follow each unit of study. Final evaluation in the course will be based on grades achieved during the semester and the final exam. The following scale will be used in final evaluation.

90 – 100	A
80 – 89	B
75 – 79	C
0 – 74	F

The grade of “D” is not awarded nor accepted for transfer in the Surgical Technology Program. The student must maintain a grade point average of 75 (C).

Final grade is made up of daily grades/lab grades (10%), Unit Exams (70%), and final (20%).

VII. Curriculum Checklist

- **Academic General Education Course** (from ACGM – but not in WCJC Core)
No additional documentation needed

- **Academic WCJC Core Course**
Attach the Core Curriculum Checklist, including the following:

- Basic Intellectual Competencies
- Perspectives
- Exemplary Educational Objectives

- **WECM Courses**
If needed, revise the Program SCANS Matrix & Competencies Checklist.