



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 Aseptic Technique

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 # 4:2:8

Equated Pay hours for course - 6

Course Catalog Description - Fundamentals of Aseptic Technique. In-depth coverage of aseptic technique principles and practices, infections processes, wound healing, and creation and maintenance of the sterile field.

List Lab/ Other Hours
Lab Hours 8
Clinical Hours
Practicum Hours
Other (list)

Prerequisites/Corequisites - none

Approvals – the contents of this document have been reviewed and are found to be accurate.

Prepared by Melissa Wade	Signature <i>Melissa Wade</i>	Date 11/14/07
Department Head Melissa Wade	Signature <i>Melissa Wade</i>	Date 11/14/07
Division Chair Leigh Ann Collins SARAH CLARK	Signature <i>Sarah Clark</i>	Date 11/14/07
Vice President Dr. Ty Pate	Signature <i>Ty Pate</i>	Date 11/16/07



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

Course Learning Outcome	Method of Assessment
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.	Written Reports Study Guide assignments Unit Exams Lab Exam Clinical Readiness Exam

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

Alexander’s Care of the Patient in Surgery. Latest edition. Meeker and Rothrock, published by Mosby.

Berry & Kohn's Operating Room Technique. Latest edition, by Fortunato, published by Mosby.
Surgical Technology Principles and Practice Joanna Kotcher Fuller. Published by Elsevier Saunders.

IV. Suggested Course Maximum - 20

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

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 Research papers are assigned on each unit of study. 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
60 – 74	D
0 – 59	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).

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**
Attach the following:
 - Program SCANS Matrix
 - Course SCANS Competencies Checklist

SCANS Matrix

Program: Surgical Technology CIP: 51-0909									
LIST ALL COURSES REQUIRED AND IDENTIFIED COMPETENCIES									
Competencies								Course Number	Course Title
1	2	3	4	5	6	7	8		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VNSG 1420	Anatomy & Physiology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VNSG 1115	Disease Control
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SRGT 1405	Introduction To Surgical Technology
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SRGT 1409	Fundamentals of Aseptic Technique
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SRGT 1541	Surgical Procedures I
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HPRS 2301	Pathophysiology
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SRGT 1301	Medical Terminology
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SRGT 2130	Professional Readiness
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
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								COMPETENCY REFERENCES	
								8 Basic use of computers	
								7 Workplace Competencies: resources; interpersonal skills; information; systems; and technology.	
								6 Personal Qualities: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	
								5 Thinking Skills: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	
								4 Speaking and Listening: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	
								3 Arithmetic or Mathematics: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	
								2 Writing: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	
								1 Reading: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	



Course Prefix & Number: SRGT 1409	
SCANS COMPETENCIES FOR THIS COURSE	
Competency	Method of Assessment
1 READING: Locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.	Written Reports Unit Exams
2 WRITING: Communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.	Written Reports Unit Exams
3 ARITHMETIC OR MATHEMATICS: Perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.	Lab Exams Unit Exams
4 SPEAKING AND LISTENING: Organize ideas and communicate orally; receive, attend to, interpret, and respond to verbal messages and other cues.	Written Reports Unit Exams Lab Exams
5 THINKING SKILLS: A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively.	Written Reports Unit Exams Lab Exams
6 PERSON QUALITIES: A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.	Written Reports Unit Exams Lab Exams
7 WORKPLACE COMPETENCIES: resources; interpersonal skills; information; systems; and technology	Written Reports Unit Exams Lab Exams
8 BASIC USE OF COMPUTERS	Written Reports