ESSENTIALS OF SURGICAL ASEPSIS
Course Syllabus

Course Number: HLTH-0144
OCAS Code: None
Course Length: 60 Hours
Career Cluster: Health Science
Career Pathway: Therapeutic Services
Career Major(s): Surgical Technologist (Accredited Program)

Pre-requisite(s): Introduction to Surgical Technology

Course Description:
This course will introduce the student to the principles and practices of aseptic technique, scrubbing, gowning, gloving, sterilization and disinfection. Upon completion of this course, the student will be able to discuss and demonstrate the principles of aseptic technique.

Textbooks:

- Surgical Technology Principles and Practice 6th Ed. by Joanna Kotcher Fuller, Elsevier Sanders (2013).

Online Resources:
Blackboard

Course Objectives:

A. Apply terms related to asepsis.¹
B. Discuss sources of contamination.¹
C. Demonstrate sterile technique.¹
D. Demonstrate the steps of a hand wash.¹
E. Identify the preliminary preparations for the surgical scrub.¹
F. Demonstrate the steps of the surgical scrub.¹
G. Employ sterile techniques during the surgical scrub.¹
H. Employ sterile technique when gowning and gloving self and when assisting other team members.¹
I. Define terms related to the terminal disinfection sterilization process.¹
J. Identify the methods of processing items during terminal disinfection and/or sterilization.¹
K. Identify the concepts of microbial barriers.¹
L. Compare and contrast the materials used for creating microbial barriers.¹
M. List the methods for sealing microbial barriers.¹
N. List the process for preparing items for sterilization¹
O. Identify variables related to the sterilization process and the materials to be processed.¹
P. Compare and contrast methods of sterilization.¹
Q. Identify process monitoring devices and methods.¹

¹ ODCTE Objective
All unmarked objectives are TTC instructor developed.
TEACHING METHODS:
The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

GRADING PROCEDURES:
1. Students are graded on theory and lab practice and performance.
2. Each course must be passed with eighty (80%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.
4. Career Major grades established during coursework are a major criteria in successfully obtaining certification.

DESCRIPTION OF CLASSROOM, LABORATORIES, AND EQUIPMENT:
Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

AVAILABLE CERTIFICATIONS/COLLEGE CREDIT:
The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Tulsa Community College. See program counselor for additional information.

COLLEGE CREDIT ELIGIBILITY:
The student must maintain a grade point average of 3.0 or better.