I. TITLE OF COURSE: ST1015- Principles and Practices of Surgical Technology

II. COURSE DESCRIPTION: 5 credit hours
5 credit hours of lecture and 0 **credit hours of lab per week.**

This online theory course is designed to acquaint the student with the skills necessary to function as a beginning surgical technologist. The course includes basic concepts necessary to establish, maintain, and coordinate the methods required for patient care in the operating room. Safe patient care and principles of operating room technique are covered. Students will study skills related to sterile storage and distribution, sterilization and aseptic technique as defined by the AST Core Curriculum for Surgical Technology 6th edition. For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected.

For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected.

Pre-requisite: Admission to the Surgical Technology program.

III. PROGRAM AND/OR DEPARTMENT MISSION STATEMENT:

The SCCC surgical technology program will provide an education forum responsive to the needs of the student and also responsive to the health care community, both locally and nationally, focusing on professionalism and contributing to quality patient care.

IV. TEXTBOOK AND MATERIALS:

Required
1. AST. (2018) Surgical Technology for the Surgical Technologist: A positive Care Approach, 5th Ed. Clifton Park, NY: Cengage Learning with MindTap.
2. Venes, D. (Ed.). (2017). Taber's cyclopedic medical dictionary. (23rd ed.). Philadelphia, PA: F.A. Davis

V. SCCC OUTCOMES

Students who successfully complete this course will demonstrate the ability to do the following SCCC Outcomes.

1: Read with comprehension, be critical of what they read, and apply knowledge gained to real life
2: Communicate ideas clearly and proficiently in writing, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.

5: Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information

VI. COURSE OUTCOMES:

1. Demonstrate an understanding of skills needed to achieve and maintain a sterile environment incorporating terms related to asepsis and sources of contamination.
2. Identify key steps for transporting, transferring and positioning patients safely.

3. Identify the steps and rationales for the preoperative and intraoperative case planning and procedures that include the surgical skin preparation, urinary catheterization and draping of the surgical patient.
4. Identify environmental hazards and energy sources that are found in the surgical environment.
5. Demonstrate an understanding of hemostasis, stages of healing, surgical wound classification and closure techniques.
6. Demonstrate an understanding of diagnostic and assessment procedures for the surgical patient.
7. Demonstrate an understanding of different types of disaster and emergency preparation.

VII. COURSE OUTLINE:

1. Surgical case management
2. Instrumentation, equipment, and supplies
3. Preventing perioperative disease transmission
4. Hemostasis, wound healing and wound closure
5. Emergency situations and all-hazards preparation
6. Diagnostic procedures

VIII. INSTRUCTIONAL METHODS:

1. The course will be delivered to students in a web-based learning platform in an online interactive format.
2. Students will be able to read and interact with course material online, ask questions of the instructor via electronic communication, and complete assignments and exams via the web-based learning platform.
3. Learning opportunities will be presented in a variety of ways: reading and writing assignments; online discussions; online learning activities/games; quizzes and exams.

IX. INSTRUCTIONAL AND RESOURCE MATERIALS:

1. Textbooks
2. Audiovisual media
3. Internet video subscriptions with ST specific content
4. Discussion threads, emails, and handouts
5. Current periodicals

X. METHODS OF ASSESSMENT:

SCCC outcome #1 will be assessed through discussion threads, writing assignments, and exams.
SCCC outcome #2 will be assessed through discussion threads and writing assignments.
SCCC outcome #5 will be assessed through discussion threads, writing assignments, and exams.

XI. ADA STATEMENT:
Under the Americans with Disabilities Act, Seward County Community College will make reasonable accommodations for students with documented disabilities. If you need support or assistance because of a disability, you may be eligible for academic accommodations. Students should identify themselves to the Dean of Students at 620-417-1106 or going to the Student Success Center in the Hobble Academic building, room 149 A.

Syllabus Reviewed: 9/2/2020