SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
SURGICAL TECHNOLOGY
Revision Date: 11/2023

I. CATALOG DESCRIPTION

Course Number:	**SURT 1830**
Course Title:	**Surgical Procedures And Techniques 3**
Prerequisite(s):	**Admission to the Surgical Technology Program**
Catalog Description:	**The study of surgical procedures to include: Ophthalmology, Peripheral Vascular, Cardiovascular, Thoracic, Neurology and Transplant surgery.**
Credit Hours:	**4**
Class Hours:	**60**
Lab Hours:	**0**
Total Contact Hours:	**60**

II. COURSE OBJECTIVES: *the course will:*

1. Associate the related anatomy and physiology knowledge learned to the specialties covered within the course.
2. Discuss the etiology present within each surgical procedure covered.
3. Introduce the Surgical Technology student to the surgical procedures relating to Ophthalmology, Peripheral Vascular, Cardiovascular, Thoracic, Neurology and Transplant surgery.
4. Prepare the Surgical Technology student for the skills needed to assist within the above listed specialties.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

A. STUDENT LEARNING OUTCOMES: *The student will be able to:*

1. Compare and contrast the various surgical pathologies of each body system
2. Identify the purposes of the various types of equipment
3. Review the uses of the various types of equipment
4. Describe the perioperative handling of equipment
5. Apply knowledge of surgical instrumentation to specific surgical specialties
6. Evaluate perioperative instrumentation handling concepts
7. Identify surgical supplies
8. Explain the usage of surgical supplies
9. Explain the principles of handling the various types of surgical supplies
10. Evaluate the selection of surgical supplies
11. Demonstrate the role of the surgical technologist in the application of surgical supplies
12. For surgical procedures discussed in the Ophthalmology, Peripheral Vascular, Cardiovascular, Thoracic, and Transplant specialty areas the student will be able to:
    a. Apply medical terminology as it relates to each procedure
    b. Compare and contrast the approach for each procedure
    c. Review the anatomy and physiology for each procedure
    d. Discuss the diagnostic procedures and pathology used to obtain a diagnosis

e. Describe preoperative patient preparation and considerations for each procedure
f. Discuss the operative sequence for each procedure
g. Recognize the necessary supplies, instrumentation, and equipment for each procedure
h. Evaluate the use of medications for each procedure
i. Identify the wound classifications for each procedure
j. Discuss postoperative care, considerations, and potential complications for the surgical patient

B. GENERAL EDUCATION LEARNING OUTCOMES

1. **GELO 3: Critical Thinking and Problem Solving**
   Outcome: Synthesize information to arrive at reasoned solutions to problems.

IV. CONTENT/TOPICAL OUTLINE:

A. UNITS

1. Ophthalmology
2. Peripheral Vascular
3. Cardiovascular
4. Thoracic
5. Neurology
6. Transplant

V. INSTRUCTIONAL MATERIALS REQUIRED

A. Required Text(s):

Association of Surgical Technologists. *Surgical Technology for the Surgical Technologist* (current edition).

Pieknik, R. *Suture and Surgical Hemostasis; A Pocket Guide* (current edition).

Nemitz, Renee. *Surgical Instrumentation: An Interactive Approach* (current edition).

Goldman, M. A. *Pocket Guide to the Operating Room* (current edition).

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

Lecture with Power Point slides, Videos, Demonstration, Handouts, Syllabus objectives, Class participation, Role playing, Small Group Work, Assigned Readings in Textbooks.

VII. METHODS OF EVALUATION

SCC STANDARD GRADING SCALE POLICY:

A+	**95-100**	**C+**	**75-79**
A	**90-94**	**C**	**70-74**
B+	**85-89**	**D+**	**65-69**
B	**80-84**	**D**	**60-64**
		F	**Below 60**

VIII. SPECIFIC COURSE REQUIREMENTS

For specific course requirements please see the Course Information Document (CID) and Program Handbook.

Minimum passing final grade for this course is a 75% (C+). Below 75% = recycle and repeat the course. This course cannot be taken as PASS/FAIL.