

**COURSE OUTCOME MATRIX
COURSE SYLLABUS
PART 2 of 3**

Course Number and Title	SG 100: Introductory Surgical Technology
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Credit Hours	3
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Course Description	This course is designed to introduce the students to the surgical environment, the history of surgery and the legal, ethical, moral, and psychological responsibility of the surgical technologist. The three roles of the surgical technologist will be explored. Operating room safety, equipment and introductory skills will be discussed.
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Prerequisite(s) and/or Corequisite(s)	Pre- Admission into the Surgical Technology Program Co- SG 101
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Required Textbooks/References/Course Materials:

Surgical Notes	2015	Susan D. Sheets	F.A. Davis Company	0803625921
Differentiating Surgical Instruments: Surg Tech in Practice	3rd	Rutherford	F.A. Davis	0803668317
Surgical Technology for the Surgical Technologist: A Positive Care Approach - Package	5th	AST	Cengage Learning	1337584878
Surgical Equipment and Supplies	2nd	Rutherford	F.A. Davis & Co.	0803645716
Suture and Surgical Hemostasis Pocket Guide	1st	Pieknik	Saunders	1416022473

General Education Outcomes	
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

Program Outcomes	
1	Students will communicate effectively and demonstrate behavior that corresponds to ethical and legal standard of the profession, uphold patient care standards, and adhere to the moral and honesty integrity of the scope of practice.
2	Students will demonstrate the principles of aseptic technique at all times and maintain a surgical conscience in a knowledgeable manner that provides optimal patient care.
3	Students will identify the use and actions of medications and label all medications used in the sterile field.
4	Students will identify and label surgical instruments, supplies and equipment used during a specific surgical procedure.

5 Students will implement the knowledge of medical terminology, anatomy and physiology and surgical procedural steps, to anticipate the needs of the surgical team.

	Course Outcomes (CO)	Bloom's Domain for CO (C, A, P), Category, and Level	Program Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Identify the scope of practice, tasks and responsibilities of the Surgical Technologist, patient-centered care, physiological needs and therapeutic communication. Define medical law and ethics, hospital administration, operating room environment and environmental hazards.	C-Understanding-2	1	0	0	2	2	0	1
2	Identify the historical, legal, ethical, and professional parameters that influence the practice of Surgical Technology.	C-Understanding-2	1	0	0	2	2	0	1
3	Identify emergencies of the OR with role of the personnel including sterile and nonsterile team members.	C-Analyzing-4	5	0	0	2	2	0	1
4	Identify the techniques for preparing the patient, operating room, instrument standards and practice of sterilization, surgical supplies, and the equipment to be used during a surgical procedure.	C-Understanding-2	5	0	0	2	1	1	1
5	Identify aseptic technique, surgical hand preparation, gowning and gloving techniques, patient positioning, patient skin preparation, and patient draping. Also, preoperative patient care techniques to include patient transport, chart review, vital signs, and intraoperative surgical case management.	C-Remembering-1	2	0	1	2	1	1	1
6	Identify the preoperative, intraoperative, post-operative safety, communication, and critical thinking. (ex. Special needs of patients, accountability, and personnel behaviors).	C-Analyzing-4	1	0	0	2	2	0	1
7	Identify universal precautions and techniques related to environmental hazards, transmission of body fluids and infectious diseases. Including	C-Understanding-2	1	0	0	2	2	0	0

	chemical and biological hazards, and the process of infection transmission.								
8	Know the difference between disinfect and decontamination and their contamination sources.	C-Understanding-2	1	0	0	2	2	0	0
9	Identify safety concerns during electrosurgical procedures and related vaporized tissue plume.	C-Understanding-2	1	0	0	2	2	0	0
10	Identify basic concepts of software programs, lasers, and robotics and how they are used in the OR.	C-Applying-3	5	0	0	2	2	2	0

Bloom's Domain Legend

C = Cognitive
A = Affective
P = Psychomotor

General Education Outcome Legend

2 = Included and Measurable
1 = Introduced and/or Minimally Addressed and Not Measurable
0 = Not included

Approved: May 2021
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