

ST 1 & Course Syllabus

Mission Statement

SVSTI is committed to the success of our students by providing the curriculum and skills to pursue their goals of becoming active, sought after participants in the medical community. We are dedicated to helping students master communication skills, critical thinking, respect, accountability, and personal responsibility. We support our students, educators, and our community by providing a safe environment, qualified graduates, and financially viable programs in the evolving field of medicine.

Course Title: Surgical Technology Didactic & Lab
Course Code: ST1 (online) & ST111 (lab)
Semester Credit Hours (Units): 18 Credit Hours
Lecture Hours: 240 hours (10 Credits)
Lab Hours: 192 hours (8 Credits)
BLS Hours: (if needed)
Total Hours: 432 hours
Prerequisites: Entrance Exam, High School Diploma or GED equivalent, SPD101 (or Sterile Processing Tech with experience)

Textbooks

Surgical Instrumentation, 2e

Surgical Technology for the Surgical Technologist: A Positive Care Approach, 5e



	Ethics, Legal Issues and Professionalism in Surgical Technology, 1e	
	Surgical Mayo Setups, 2e	
	Fundamental of Anatomy and Physiology, 4E	
	Medical Terminology for The Health Professions, 7e	
	Microbiology for Surgical Technologist, 2e	
Course Description	Hybrid Course: This course provides extensive study of the human body including bac cells, tissues, membranes, and organs; the integumentary, skeletal, muscular, senso systems, circulatory, lymphatic, respiratory, digestive, endocrine, urinary and reprodu Also presented is a comprehensive overview of medical and surgical terminology inc construction, abbreviations and symbols used in the medical profession. In addition, provides an overview of the development of medicine, surgery, and the field of surgic Professionalism and ethical conduct are emphasized. First aid and basic life support students are certified in CPR upon completion of this course.	and nervous active systems. Iuding basic word the course cal technology.
Instructional Objectives	Your instructor will communicate the instructional objectives to you at each lesson or assignment on Cengage and/or Canvas. This Program is the hands-on application of the concepts and theory studied MindTap. Students learn and apply the basic principles of aseptic technique, sanitation, disinfection, and sterilization. The focus will be on surgical instrum preparation and sterilization, proper technique for surgical hand scrub, gowni sterile field set-up and maintenance. Identification of instrumentation by funct draping, equipment names and use, safety precautions, and introduction to s procedures. Demonstrate proficiency in intermediate surgical skills to include management, identify and correct sterility breaks, set up in appropriate time, case in a logical sequence. Intermediate surgical procedures: application of concepts of Surgical Technology, preparation of the patient in surgery, pre-op duties, patient positioning, intermediate instrumentation, suture use and identification. <i>Course Objectives:</i> 1. Students will demonstrate skills in checking package integrity 2. Students will demonstrate basic instrumentation knowledge 4. Students will demonstrate skills in loading and passing sharps/sutures 5. Students will demonstrate skills in opening supplies 8. Students will demonstrate skills in opening supplies 8. Students will demonstrate skills in opening supplies 8. Students will demonstrate skills in draping patient 10. Students will demonstrate skills in gowning and gloving 9. Students will demonstrate skills in passing instruments 11. Students will demonstrate skills in back table/mayo set up	in Cengage & basic surgical entation ng, gloving, ion and use; urgical surgical case and complete fundamental o and post-op

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15. Students will demonstrate skills in field and table clean up
16. Students will demonstrate skills cooperation/attitude/initiative
17. Basic Surgical Procedures

ISLO	 SVSTI's Institutional Student Learning Outcomes illustrate the entire institution's commitment to ensuring that all graduates demonstrate proficiency in the following: 1. Critical Thinking 2. Collaboration 3. Communication 4. Professionalism 			
PSLO	Programmatic Student Learning Outcomes are listed below:			
	 Upon completion of this course students will be able to identify the principles of aseptic technique 			
	 Demonstrate the skills and knowledge required to be a competent surgical technologist in a variety of settings, including hospitals, outpatient surgical facilities and other appropriate medical sites. 			
	 Demonstrate critical thinking, information management, professional and personal development, communication skills, and respect and responsibility. 			
Student	SVSTI course content is developed in alignment with specific Student Learning Outcomes			
Learning	(SLO).			
Outcomes	1 Upon completion of this course students will be able to identify the basic principles of aseptic technique.			
	2 Demonstrate entry-level knowledge of basic instruments, surgical equipment, and basic Surgical procedures and Medical Terminology (Psychomotor)			
	3 Demonstrate responsibility, self-discipline, and surgical conscience. (Affective)			
	4 Apply basic understanding of Anatomy & Physiology & appropriate medical terminology. (Cognitive)			



Course Specific Requirement

You must pass this course with an overall score of 70% or above. SVSTI's absence policy will be adhered to – please see your catalog for details, as this can affect your grade.

Please contact your instructor as soon as possible if you require any type of support during the course – we are all here to help you be a successful student.

LETTER GRADE EARNED	PERCENTAGE RANGE
A	90-100%
В	80-89%
С	70-79%
D	60-69%
F	Below 60%

The above table informs you of the % points you need to achieve to earn the related letter grade in each subject area.

Dress Code

- No facial jewelry (except post earrings), no hand jewelry in lab.
- No perfumes, colognes, or strong scents.
- No nail polish (including clear), no artificial nails.
- Wear Black Scrubs
- No unnatural hair colors

Course Schedule	Week	SLO, Topic	Reading	Assignment & Due Date
First day of	1	PSLO 1-3		
class:		SLO 1-4		
		ISLO 1-4		
Days of class:		Online		
Time of class:		AST Orientation to Surgical Technology Surgical Technology for the Surgical Technologist: A Positive Approach	Chapter 1	Monday at 12pm
		Instruments- Surgical Instrumentation	Chapter 1	Monday at 12pm



	Medical Terminology-How to pronounce Medical Terminology for the Health Professions	Chapter 1	Monday at 12pm
	Medical Terminology- Intro to Medical Terminology	Chapter 1	Monday at 12pm
	Microbiology Chapter 1-Intro to Microbiology	Chapter 1	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 1	Monday at 12pm
	Lab		
	Lab Evaluation Week 1	17 Rules of Asepsis	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's



2 PSLO 1-3 SLO 1-4 **ISLO 1-4** Online AST Legal Concepts, Risk Chapter 2 Monday at 12pm Management, and Ethical Issues. Surgical Technology for the Surgical Technologist: A Positive Approach Instruments-Surgical Instrumentation Chapter 2 Monday at 12pm Microbiology-Intro to Microbiology Chapter 2 & 3 cont. Microbiology for Surgical Monday at 12pm Technologist A&P The Human Body- Fundamentals Chapter 1 Monday at 12pm of Anatomy and Physiology Medical Terminology The Human Body in Heath and Disease-Medical Chapter 1 Monday at 12pm Terminology for the Health Professions Ethics- Human Value Development Chapter 1 cont. Monday at 12pm and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology Lab Instrument Thursday's Lab Evaluation Week 2 Identification x2 **Medical Terms** 25 words on Canvas Tuesday's Tuesday's **Case Study Breast Biopsy Chapter Quiz** Wednesday's P's of Professionalism



3	PSLO 1-3		
	SLO 1-4		
	ISLO 1-4		
	Online		
	AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 3	Monday at 12pm
	Instruments-Surgical Instrumentation	Chapter 3	Monday at 12pm
	A&P The Chemistry of Life- Fundamentals of Anatomy and Physiology	Chapter 2	Monday at 12pm
	Medical Terminology Word Part Review- Medical Terminology for the Health Professions	Chapter 2	Monday at 12pm
	Microbiology The Science of Microbiology- Microbiology for the Surgical Technologist	Chapter 4 & 5	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 2	Monday at 12pm
	Lab		
	Lab Evaluation Week 3	Opening Peel Packs/Wrapped Items, Opening Back table & basin (2 evals)	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's
	Chapter Quiz	Chapter 2 AST Quiz	Wednesday's



4	PSLO 1-3 SLO 1-4		
	ISLO 1-4		
	Online		
	AST Physical Environment and Safety Standards- Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 5	Monday at 12pm
	Ethics Intro Obligations of a Professional	Chapter 1	Monday at 12pm
	Instruments-Surgical Instrumentation	Chapter 4	Monday at 12pm
	A&P The Chemistry of Life- Fundamentals of Anatomy and Physiology	Chapter 2	Monday at 12pm
	Microbiology The Science of Microbiology: Microbiology for Surgical Technologist	Chapter 6 & 7	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 2 cont.	Monday at 12pm
	Medical Terminology Word Part Review- Medical Terminology for the Health Professions	Word Part Review	Monday at 12pm
	Lab		
	Lab Evaluation Week 4	Surgical Scrub/Gown & Glove	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's
	Case Study	Inguinal Hernia	Tuesday's



	Chapter Quiz	Chapter 3 AST Quiz	Wednesday's
5	PSLO 1-3 SLO 1-4 ISLO 1-4 <i>Online</i>		
	AST Preventing Perioperative Disease & Transmission Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 7	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 2	Monday at 12pm
	Surgical Instrumentation	Chapter 16	Monday at 12pm
	A&P Cell Structure. Fundamentals of Anatomy and Physiology	Chapter 3	Monday at 12pm
	Microbiology. The Microbiology Laboratory	Chapter 8 & 9	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 3	Monday at 12pm
	<i>Lab</i> Lab Evaluation Week 5	Draping Mayo	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's
	Chapter Quiz	Chapter 5 AST Quiz	Wednesday's



PSLO 1-3 SLO 1-4

ISLO 1-4

Online

AST Instrumentation, Equipment, and Supplies-Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 10	Monday at 12pm
Ethics. Decision Making in Value Issues and Private Law, Legal Issues and Professionalism in Surgical Technology	Chapter 3	Monday at 12pm
Surgical Instrumentation	Chapter 5	Monday at 12pm
A&P Cellular Metabolism and Reproduction- Fundamentals of Anatomy and Physiology	Chapter 4	Monday at 12pm
Microbiology. The Microbiology Laboratory Cont. Microbiology for Surgical Technologist	Chapter 10 & 11	Monday at 12pm
Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 3 cont.	Monday at 12pm

Lab

Lab Evaluation Week 6Initial CountsThursday's



Medical Terms	25 words on Canvas	Tuesday's
Case Study	Exploratory Laparotomy	Tuesday's
Chapter Quiz	Chapter 7 AST Quiz	Wednesday's
PSLO 1-3 SLO 1-4		
ISLO 1-4		
Online		
AST Surgical Case Management Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 12	Monday at 12pm
A&P The Lymphatic Circulatory System- Fundamentals of Anatomy and Physiology	Chapter 15	Monday at 12pm
Medical Terminology The Lymphatic and Immune System-Medical Terminology for the Health Professions	Chapter 6	Monday at 12pm
Microbiology The Prokaryotes- Microbiology for Surgical Technologist	Chapter 12	Monday at 12pm
Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 4	Monday at 12pm
Lab		
Lab Evaluation Week 7	Mid Term Mocks	Thursday's
Medical Terms	25 words on Canvas	Tuesday's



	Chapter Quiz	Chapter 10 AST Quiz	Wednesday's
8	PSLO 1-3 SLO 1-4 ISLO 1-4		
	Online AST General Surgery Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 14	Monday at 12pm
	Instrumentation-Surgical Instrumentation	Chapter 7	Monday at 12pm
	A&P Nutrition and the Digestive System-Fundamentals of Anatomy and Physiology	Chapter 16	Monday at 12pm
	Medical Terminology The Digestive System- Medical Terminology for the Health Professions	Chapter 8	Monday at 12pm
	Microbiology The Prokaryotes cont Microbiology for Surgical Technologist	Chapter 13	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 4 cont.	Monday at 12pm



Lab Evaluation Week 8	Mid-Term Evaluation	Thursday's
Medical Terms	25 words on Canvas	Tuesday's
Case Study	Bowel Resection	Tuesday's
Chapter Quiz	Chapter 12 AST Quiz	Wednesday's
PSLO 1-3 SLO 1-4		
ISLO 1-4		
Online		
AST General Surgery cont. Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 14	Monday at 12pm
A&P Nutrition and the Digestive System cont. Fundamentals of Anatomy and Physiology	Chapter 16	Monday at 12pm
Medical Terminology The Digestive System Cont. Medical Terminology for the Health Professions	Chapter 8 cont.	Monday at 12pm
Microbiology The Eukaryotes. Microbiology for Surgical Technologist	Chapter 14	Monday at 12pm
Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 5	Monday at 12pm



Lab Evaluation Week 9	Gowning Others	Thursday's
Medical Terms	25 words on Canvas	Tuesday's
Chapter Quiz	Chapter 14 AST Quiz	Wednesday's
PSLO 1-3 SLO 1-4		
ISLO 1-4		
Online		
AST Obstetric and Gynecologic Surgery-Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 15	Monday at 12pm
Instrumentation-Surgical Instrumentation	Chapter 8	Monday at 12pm
A&P The Reproductive System- Fundamentals of Anatomy and Physiology	Chapter 19	Monday at 12pm
Medical Terminology The Reproductive System-Medical Terminology for the Health Professions	Chapter 14	Monday at 12pm
Microbiology The Eukaryotes Cont. Microbiology for the Surgical Technologist	Chapter 15 & 16	Monday at 12pm
Ethics- Human Value Development and the System of Public. Ethics, Legal	Chapter 6	Monday at 12pm



	Issues and Professionalism in Surgical Technology	-	
	Lab		
	Lab Evaluation Week 10	Draping Patient	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's
	Case Study	Cesarean Section	Tuesday's
	Chapter Quiz	Chapter 14 Quiz	Wednesday's
11	PSLO 1-3 SLO 1-4		
	ISLO 1-4		
	Online AST Obstetric and Gynecologic Surgery cont. Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 15	Monday at 12pm
	Instrumentation-Surgical Instrumentation	Chapter 6	Monday at 12pm
	A&P The Reproductive System Cont. Fundamentals of Anatomy and Physiology	Chapter 19	Monday at 12pm
	Medical Terminology The Reproductive System Cont. Medical Terminology for the Health Professions	Chapter 14 cont.	Monday at 12pm



	Microbiology Microbial Viability and Growth-Microbiology for Surgical Technologist	Chapter 17	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 7	Monday at 12pm
	Lab Lab Evaluation Week 11	Instrument Passing	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's
	Chapter Quiz	Chapter 15 AST Quiz	Wednesday's
40			
12	PSLO 1-3 SLO 1-4		
	ISLO 1-4		
	Online		
	AST Plastic and Reconstructive Surgery Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 19	Monday at 12pm
	A&P Tissues-Fundamentals of Anatomy and Physiology	Chapter 5	Monday at 12pm
	Medical Terminology The Integumentary System-Medical Terminology for the Health Professions	Chapter 12	Monday at 12pm
	Microbiology Microbial Viability and Growth cont. Microbiology for Surgical Technologist	Chapter 18	Monday at 12pm



	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 7 cont.	Monday at 12pm
	Lab		
	Lab Evaluation Week 12	Closing Counts	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's
	Case Study	Total Abdominal Hysterectomy	Tuesday's
	Chapter Quiz	Chapter 15 AST Quiz	Wednesday's
13	PSLO 1-3 SLO 1-4		
	ISLO 1-4		
	Online		
	AST Plastic and Reconstructive Surgery cont. Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 19	Monday at 12pm
	A&P The Integumentary System Cont. Fundamentals of Anatomy and Physiology	Chapter 6	Monday at 12pm
	Medical Terminology The Integumentary System Cont. Medical Terminology for the Health Professions	Chapter 12 cont.	Monday at 12pm
	Microbiology Microbial Genetics and Mutations Microbiology for Surgical Technologist	Chapter 19	Monday at 12pm



Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 8	Monday at 12pm
Lab		
Lab Evaluation Week 13	Open Gloving & Scrubbed Open Gloving, Loading & Passing Suture (2 evals)	Thursday's
Medical Terms	25 words on Canvas	Tuesday's
Chapter Quiz	Chapter 19 AST Quiz	Wednesday's



14	PSLO 1-3 SLO 1-4		
	ISLO 1-4		
	Online		
	AST Diagnostic Procedures Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 13	Monday at 12pm
	Instrumentation Surgical Instrumentation	Chapter 15	Monday at 12pm
	A&P The Integumentary System Cont. Fundamentals of Anatomy and Physiology	Chapter 6	Monday at 12pm
	Medical Terminology Diagnostic Procedures and Pharmacology- Medical Terminology for the Health Professions	Chapter 15	Monday at 12pm
	Microbiology Microbial Genetics and Mutations cont. Microbiology for the Surgical Technologist	Chapter 20	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 9	Monday at 12pm
	Lab		
	Lab Evaluation Week 14	Suture Quiz	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's
	Case Study	Laparoscopic Inguinal Hernia	Tuesday's
	Chapter Quiz	Chapter 19 AST Quiz	Wednesday's



15	PSLO 1-3 SLO 1-4		
	ISLO 1-4		
	Online		
	AST Hemostasis, Wound Healing Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 11	Monday at 12pm
	A&P The Muscular System. Fundamentals of Anatomy and Physiology	Chapter 9	Monday at 12pm
	Medical Terminology The Muscular System. Medical Terminology for the Health Professions	Chapter 4	Monday at 12pm
	Microbiology The Empire of Viruses. Microbiology for Surgical Technologist	Chapter 21	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 9 cont.	Monday at 12pm
	Lab		
	Lab Evaluation Week 15		
	Medical Terms	Mock Finals	Thursday's
		25 words on Canvas	Tuesday's
	Chapter Quiz	Chapter 13 AST Quiz	Wednesday's



16	PSLO 1-3 SLO 1-4		
	ISLO 1-4		
	Online		
	AST Special Populations. Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 4	Monday at 12pm
	A&P The Muscular System Cont. Fundamentals of Anatomy and Physiology	Chapter 9	Monday at 12pm
	Medical terminology The Muscular System Cont. Medical Terminology for the Health Professions	Chapter 4 cont.	Monday at 12pm
	Microbiology The Empire of Viruses cont. Microbiology for Surgical Technologist	Chapter 22	Monday at 12pm
	Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology	Chapter 10	Monday at 12pm
	Lab		
	Lab Evaluation Week 16	Final (must pass with 70% or higher to move on)	Thursday's
	Chapter Quiz	Chapter 11 AST Quiz & Chapter 18 Lang.	Thursday's



Academic Integrity Statement

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Ensuring academic integrity is an educational objective taken very seriously. Based on respect for individual academic achievement, each student and faculty member commit to being a part of a community of scholarship that prides itself on honesty and integrity. Students agree that, by taking this course, all required papers may be subject to submission for textual similarity review to Turnitin.com for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Terms and Conditions of Use posted on the Turnitin.com site.

Academic and/or professional misconduct is subject to disciplinary action, including being placed on probation, failing a graded course component, failing a course, or being dismissed. Student academic misconduct includes, but is not limited to, cheating on examinations, plagiarism, bribery, falsification of student records, and improper attempts to influence instructors or school officials. For online courses, this includes submitting others' work, entering discussion threads under false pretenses, or not complying with instructor or Online Educational Center authorship.

Weighting
80%
10%
10%
100%
ons
Weighting
10%
50%
40%

Methods of Evaluation

The grade for this course will be a compilation, determined by satisfactory completion of:

□Tests	
Quizzes	□ Simulations
□Case Studies	□Role-play
□Individual Projects	□Narration
Group Projects	□Computer skills



Individual Presentations	□Lab skills
□Group Presentations	□Writing
□Homework	Research
Skills Demonstrations	□Other:

Methods of Instruction

X Field Trips
X Visiting Speakers
X Simulation
X Labs
X Demonstrations
X Role-play
Clinical Instruction
X Computer Assisted Learning
□ Other:
e period specified by your instructor, your class ir supervisor can advise you on the current late

Late Assignmer Policy

Reviewed

June 2020