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| ST 111 | 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 Information | **Course Title: Surgical Technology**  **Course Code**: ST111  **Semester Credit Hours (Units)**: 18.5 Credit Hours  **Lecture Hours:** 240 hours  **Lab Hours:** 192 hours  **BLS Hours:** 4 hours  **Total Hours:** 436 hours  **Prerequisites:** High School Diploma or GED equivalent, SPD101 |
| Textbooks | |  | | --- | | [Surgical Instrumentation, 2e](https://www.cengage.com/c/surgical-instrumentation-2e-phillips) | | [Surgical Technology for the Surgical Technologist: A Positive Care Approach, 5e](https://www.cengage.com/c/surgical-technology-for-the-surgical-technologist-a-positive-care-approach-5e-association-of-surgical-technologists) | | [Ethics, Legal Issues and Professionalism in Surgical Technology, 1e](https://www.cengage.com/c/ethics-legal-issues-and-professionalism-in-surgical-technology-1e-jackson)  [Surgical Mayo Setups, 2e](https://www.cengage.com/c/surgical-mayo-setups-2e-allhoff)  Fundamental of Anatomy and Physiology, 4E  Medical Terminology for The Health Professions, 7e  Microbiology for Surgical Technologist, 2e  [Understanding Human Behavior, 9e](https://www.cengage.com/c/surgical-technology-for-the-surgical-technologist-a-positive-care-approach-5e-association-of-surgical-technologists) | |
| Course Description | Hybrid Course; This course provides an introduction to microbiology, Immunology, the infectious process and wound healing; as well as an extensive study of the body including organization of the human body, cells tissues, membranes and organs; the integumentary system, skeletal system, muscular system, special senses, nervous systems, urinary system, reproductive system, circulatory system and endocrine system.. Also presented is a comprehensive overview of medical and surgical terminology including basic word construction, abbreviations and symbols used in the medical profession. In addition, the course provides an overview of the development of medicine, surgery and the field of surgical technology. Professionalism and ethical conduct are emphasized. First aid and basic life support is presented; students are certified in CPR upon completion of this course.  This course also provides in-depth study of surgical specialties (General, Plastics, obstetrics and gynecology [OB/GYN]) |
| Instructional Objectives | Your instructor will communicate the instructional objectives to you at each lesson or in your weekly assignment on Cengage and/or Canvas.  This Program is the hands-on application of the concepts and theory studied in Cengage & MindTap. Students learn and apply the basic principles of aseptic technique, basic surgical sanitation, disinfection and sterilization. The focus will be on surgical instrumentation preparation and sterilization; proper technique for surgical hand scrub, gowning, gloving, sterile field set-up and maintenance. Identification of instrumentation by function and use; draping, equipment names and use, safety precautions, and introduction to surgical procedures. Demonstrate proficiency in intermediate surgical skills to include surgical case management, identify and correct sterility breaks, set up in appropriate time, and complete case in a logical sequence.  Intermediate surgical procedures; application of fundamental concepts of Surgical Technology, preparation of the patient in surgery, pre-op and post-op duties, patient positioning, intermediate instrumentation, suture use and identification, drain use and identification.   |  | | --- | | *Course Objectives:* | | 1. Students will demonstrate skills in checking package integrity 2. Students will demonstrate skills in labeling all solutions/meds 3. Students will demonstrate basic instrumentation knowledge 4. Students will demonstrate skills in loading and passing sharps/sutures 5. Students will demonstrate skills in performing steps in a logical sequence 6. Students will demonstrate skills in identify/correct sterility breaks & aseptic technique 7. Students will demonstrate skills in opening supplies 8. Students will demonstrate skills in gowning and gloving 9. Students will demonstrate skills in draping patient 10. Students will demonstrate skills in passing instruments 11. Students will demonstrate suture knowledge 12. Students will demonstrate organizational skills 13. Students will demonstrate case/count knowledge and use 14. Students will demonstrate skills in back table/mayo set up 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:   1. Upon completion of this course students will be able to identify the principles of aseptic technique 2. 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. 3. Demonstrate critical thinking, information management, professional and personal development, communication skills, and respect and responsibility. |
| Student Learning Outcomes | **SVSTI course content is developed in alignment with specific Student Learning Outcomes (SLO).**   |  |  |  | | --- | --- | --- | | 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% | | B | 80-89% | | C | 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 | | 1 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Orientation to Surgical Technology Surgical Technology for the Surgical Technologist: A Positive Approach  Surgical Instrumentation  Medical Terminology-How to pronounce Medical Terminology for the Health Professions  Medical Terminology- Intro to Medical Terminology  Microbiology Chapter 1-Intro to Microbiology  Human Behavior- A Guide for Heath Care Professionals: Understanding Human Behavior  **Lab Evaluation Week 1** | Chapter 1  Chapter 1  Chapter 1  Chapter 1  Chapter 1  Chapter 1-3  **17 Rules of Asepsis** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 2 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Legal Concepts, Risk Management, and Ethical Issues. Surgical Technology for the Surgical Technologist: A Positive Approach  Instruments-Surgical Instrumentation  Microbiology-Intro to Microbiology cont. Microbiology for Surgical Technologist  A&P The Human Body- Fundamentals of Anatomy and Physiology  Medical Terminology The Human Body in Heath and Disease-Medical Terminology for the Health Professions  Human Behavior A Guide for Heath Care Professionals: Understanding Human Behavior  **Lab Evaluation Week 2** | Chapter 2  Chapter 2  Chapter 1  Chapter 1  Chapter 2  Chapter 1-3 cont.  **Instrument Identification** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 3 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Surgical Technology for the Surgical Technologist: A Positive Care Approach  Instruments-Surgical Instrumentation  A&P The Chemistry of Life- Fundamentals of Anatomy and Physiology  Medical Terminology Word Part Review- Medical Terminology for the Health Professions  Microbiology The Science of Microbiology- Microbiology for the Surgical Technologist  Human Behavior- A Guide for Health Care Professionals: Understanding Human Behavior  **Lab Evaluation Week 3** | Chapter 3  Chapter 3  Chapter 2  Chapter 3  Chapter 2  Chapter 1-3 cont.  **Opening Peel Packs/Wrapped Items, Opening Back table & basin** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | |  |  |  |  | | 4 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Physical Environment and Safety Standards- Surgical Technology for the Surgical Technologist: A Positive Care Approach  Ethics Intro Obligations of a Professional  Instruments-Surgical Instrumentation  A&P The Chemistry of Life- Fundamentals of Anatomy and Physiology  Microbiology The Science of Microbiology: Microbiology for Surgical Technologist  **Lab Evaluation Week 4** | Chapter 5  Chapter 1  Chapter 4  Chapter 2  Chapter 2  **Surgical Scrub/Gown & Glove** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 5 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Preventing Perioperative Disease & Transmission Surgical Technology for the Surgical Technologist: A Positive Care Approach  Ethics- Human Value Development and the System of Public. Ethics, Legal Issues and Professionalism in Surgical Technology  Surgical Instrumentation  A&P Cell Structure. Fundamentals of Anatomy and Physiology  Microbiology. The Microbiology Laboratory  **Lab Evaluation Week 5** | Chapter 7  Chapter 2  Chapter 16  Chapter 3  Chapter 3  **Draping Mayo** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | |  |  |  |  | | 6 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Instrumentation, Equipment, and Supplies-Surgical Technology for the Surgical Technologist: A Positive Care Approach  Ethics. Decision Making in Value Issues and Private Law, Legal Issues and Professionalism in Surgical Technology  Surgical Instrumentation  A&P Cellular Metabolism and Reproduction- Fundamentals of Anatomy and Physiology  Microbiology. The Microbiology Laboratory cont. Microbiology for Surgical Technologist  Mayo Tray Simulation for Laparotomy Exposure-Surgical Instrumentation  **Lab Evaluation Week 6** | Chapter 10  Chapter 3  Chapter 5  Chapter 4  Chapter 3  MindTap  **Initial Counts** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 7 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Surgical Case Management Surgical Technology for the Surgical Technologist: A Positive Care Approach  A&P The Lymphatic Circulatory System- Fundamentals of Anatomy and Physiology  Medical Terminology The Lymphatic and Immune System-Medical Terminology for the Health Professions  Microbiology The Prokaryotes-Microbiology for Surgical Technologist  Mayo Tray Simulation for Laparotomy Intraoperative Deep Exposure-Surgical Instrumentation  **Lab Evaluation Week 7** | Chapter 12  Chapter 15  Chapter 6  Chapter 4  MindTap  **Mid Term Mocks** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 8 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST General Surgery Surgical Technology for the Surgical Technologist: A Positive Care Approach  Mayo for General Surgery-Surgical Mayo Setups  Instrumentation-Surgical Instrumentation  A&P Nutrition and the Digestive System-Fundamentals of Anatomy and Physiology  Medical Terminology The Digestive System- Medical Terminology for the Health Professions  Microbiology The Prokaryotes cont.-Microbiology for Surgical Technologist  Mayo Tray Simulation for Lap Chole Surgery & Port Placement  Mayo Tray Simulation for Lap Cholecystectomy Intraoperative  **Lab Evaluation Week 8** | Chapter 14  MindTap  Chapter 7  Chapter 16  Chapter 8  Chapter 4  MindTap  MindTap  **Mid-Term Evaluation** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 9 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST General Surgery cont. Surgical Technology for the Surgical Technologist: A Positive Care Approach  A&P Nutrition and the Digestive System cont. Fundamentals of Anatomy and Physiology  Mayo for General Surgery cont. Surgical Mayo Setups  Medical Terminology The Digestive System cont. Medical Terminology for the Health Professions  Microbiology The Eukaryotes. Microbiology for Surgical Technologist  Mayo Tray Simulation for Lap Cholecystectomy Port Placement  **Lab Evaluation Week 9** | Chapter 14  Chapter 16  MindTap  Chapter 8  Chapter 5  MindTap  **Gowning Others** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | |  |  |  |  | | 10 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Obstetric and Gynecologic Surgery-Surgical Technology for the Surgical Technologist: A Positive Care Approach  Mayo for OB Surgery  Instrumentation-Surgical Instrumentation  A&P The Reproductive System- Fundamentals of Anatomy and Physiology  Medical Terminology The Reproductive System-Medical Terminology for the Health Professions  Microbiology The Eukaryotes cont. Microbiology for the Surgical Technologist  **Lab Evaluation Week 10** | Chapter 15  MindTap  Chapter 8  Chapter 19  Chapter 14  Chapter 5  **Draping Patient** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 11 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Obstetric and Gynecologic Surgery cont. Surgical Technology for the Surgical Technologist: A Positive Care Approach  Mayo for Surgery  Instrumentation-Surgical Instrumentation  A&P The Reproductive System cont. Fundamentals of Anatomy and Physiology  Medical Terminology The Reproductive System cont. Medical Terminology for the Health Professions  Microbiology Microbial Viability and Growth-Microbiology for Surgical Technologist  **Lab Evaluation Week 11** | Chapter 15  MindTap  Chapter 6  Chapter 19  Chapter 14  Chapter 6  **Instrument Passing** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 12 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Plastic and Reconstructive Surgery Surgical Technology for the Surgical Technologist: A Positive Care Approach  Mayo for Plastic Surgery  A&P Tissues-Fundamentals of Anatomy and Physiology  Medical Terminology The Integumentary System-Medical Terminology for the Health Professions  Microbiology Microbial Viability and Growth cont. Microbiology for Surgical Technologist  **Lab Evaluation Week 12** | Chapter 19  MindTap  Chapter 5  Chapter 12  Chapter 6  **Closing Counts** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 13 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Plastic and Reconstructive Surgery cont. Surgical Technology for the Surgical Technologist: A Positive Care Approach  Mayo for Plastic Surgery  A&P The Integumentary System cont. Fundamentals of Anatomy and Physiology  Medical Terminology The Integumentary System cont. Medical Terminology for the Health Professions  Microbiology Microbial Genetics and Mutations Microbiology for Surgical Technologist  **Lab Evaluation Week 13** | Chapter 19  MindTap  Chapter 6  Chapter 12  Chapter 7  **Open Gloving & Scrubbed Open Gloving, Loading & Passing Suture** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 14 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Diagnostic Procedures Surgical Technology for the Surgical Technologist: A Positive Care Approach  Instrumentation Surgical Instrumentation  Mayo for DX Surgery- Surgical Mayo Setups  A&P The Integumentary System cont. Fundamentals of Anatomy and Physiology  Medical Terminology Diagnostic Procedures and Pharmacology-Medical Terminology for the Heath Professions  Microbiology Microbial Genetics and Mutations cont. Microbiology for the Surgical Technologist  **Lab Evaluation Week 14** | Chapter 13  Chapter 15  MindTap  Chapter 6  Chapter 15  Chapter 7  **Suture Quiz** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 15 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Hemostasis, Wound Healing Surgical Technology for the Surgical Technologist: A Positive Care Approach  A&P The Muscular System. Fundamentals of Anatomy and Physiology  Medical Terminology The Muscular System. Medical Terminology for the Heath Professions  Microbiology The Empire of Viruses. Microbiology for Surgical Technologist  **Lab Evaluation Week 15** | Chapter 11  Chapter 9  Chapter 4  Chapter 8  **Mock Finals** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | | 16 | PSLO 1-3  SLO 1-4  ISLO 1-4  AST Special Populations. Surgical Technology for the Surgical Technologist: A Positive Care Approach  A&P The Muscular System cont. Fundamentals of Anatomy and Physiology  Medical terminology The Muscular System cont. Medical Terminology for the Health Professions  Microbiology The Empire of Viruses cont. Microbiology for Surgical Technologist  **Lab Evaluation Week 16** | Chapter 4  Chapter 9  Chapter 4  Chapter 8  **Final (must pass with 70% or higher to move on)** | Monday at 12pm  Monday at 12pm  Monday at 12pm  Monday at 12pm | |
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| Academic Integrity Statement | Ensuring academic integrity is an educational objective taken very seriously. Based on respect for individual academic achievement, each student and faculty member commits 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. |
| Grading Policy | Table of Evaluations   |  |  |  | | --- | --- | --- | | Assignment | Points | Weighting | | Cengage Assignments | 6963.50 | 50% | | Pop Quiz | 90 | 5% | | Attendance | 100 | 10% | | Lab Evals | 340 | 30% | | Case Reports | 40 | 5% | |  |  |  | |  |  |  | | **Total Points** | **7533.50** | **100%** | |
| Methods of Evaluation | The grade for this course will be a compilation, determined by satisfactory completion of:   |  |  | | --- | --- | | □Cengage | ☐Discussions | | □Quizzes | ☐Simulations | | ☐Case Studies | ☐Role-play | | □Homework | □Lab skills | | □Test |  | | □Skills Demonstrations | ☐Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| Methods of Instruction | |  | | --- | | ☐Online | | □Classroom Based | | ☐Hybrid | | □Lab | | ☐Demonstrations | | ☐Field Trips | | □Visiting Speakers | | □Simulation | | ☐Role-play | | Other: | |
| Late Assignment Policy | You are required to complete this course in the time period specified by your instructor, your class schedule, and your syllabus. Your instructor or their supervisor can advise you on the current late assignment policy. |
| Reviewed | October 2019 |
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