**ST 100 Introduction to Surgery (3 credits)**

**Term I**

**Instructor: Norma Cyphert**

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**Office Contact: Email is the best way to contact the instructor for this class. Messages received between Monday at 8am and Friday at 5pm are generally returned within 24 hours. Messages received on Saturdays, Sundays, or holidays will be returned on the next business day.**

**By appointment, please email to set up a mutually convenient time.**

**Text:**

* **Surgical Technology: Principles & Practice, 7th edition**

**Course Description:**

Introduces the surgical environment and will include the hazards and dangers associated with working with surgical team members. Students will learn how to prevent the spread of infection and infectious disease and be provided with an overview of surgical instruments and the sterilization process.

* This course contains 30 hours of instructor created content with the expectation that the average student will have 90 hours of engagement within the quarter.
* This is an online asynchronous course
* **Students progress in a prescribed linear methodology through the course demonstrating competency.**
* Grading rubrics are provided for every Competency Assessment

**Program Outcomes:**

* Demonstrate competence in the technological aspects of the surgical technologist profession.
* Provide surgical patient care and comfort with empathy and cultural competence
* Demonstrate competence in surgical technologist duties, procedures and cases.

**Course Outcomes:**

* Describe surgical technology professional practice standards.
* Explain pre-operative surgical technology practices
* Explain peri-operative surgical technology practices.
* Describe the professional roles within surgical technology.

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| **WEEK** |  |  |  |  |  |  |  |  |  | **AST CORE CURRICULUM:** |
| **1** | Read Intro: Surgical Instruments | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 11 | Complete Self-check  20 MC questions | Complete Discussion Question | Review Surgical Instruments Activity | Complete  Surgical Instruments  Comp Assessment |  | Professionalism  Perioperative Case Management |
| **2** | Read Intro:  Surgical Tech | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 1 | Complete Self-check  20 MC questions | Complete  Roles of Surg Tech  Comp Assessment | Complete Discussion Question | Complete  Surgical Instruments  Comp Assessment |  | Professionalism  Perioperative Case Management |
| **2** | Read Intro:  Law, Documentation & Ethics | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 3 | Complete Self-check  20 MC questions | Complete  Issues Assessment | Complete Discussion Question | Complete  Surgical Instruments  Comp Assessment |  | Professionalism  Perioperative Case Management |
| **4** | Read Intro:  Health Care Facility | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 4 | Complete Self-check  20 MC questions | Complete  Chain of Command  Competency Assessment | Complete Discussion Question | Complete The Physical Enviro  Comp Assessment | Complete  Surgical Instruments  Comp Assessment | Healthcare Facility  Information  Perioperative Case Management |
| **5** | Read Intro:  Diagnostic & Assessment Procedures | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 6 | Complete Self-check  20 MC questions | Complete  Baseline Values Competency Assessment | Complete Discussion Question | Complete  Surgical Instruments  Comp Assessment |  | Preoperative Non-sterile  Professionalism  Perioperative Case Management |
| **6** | Read Intro:  Environment Hazards | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 7 | Complete Self-check  20 MC questions | Complete Discussion Question | Safety Training Lecture Materials | Complete  Safety Training Comp  Assessment | Complete  Surgical Instruments  Comp Assessment | Professionalism  Perioperative Case Management  Electricity  Health facility information |
| **7** | Read Intro:  Microbes and the Process of Infection | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 8 | Complete Self-check  20 MC questions | Complete Discussion Question | Complete  Microbe Identification Competency Assessment | Complete  Surgical Instruments  Comp Assessment |  | Microbiology  Perioperative Case Management |
| **8** | Read Intro:  Aseptic Technique | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 9 | Complete Self-check  20 MC questions | Complete Discussion Question | Video: Hand Hygiene | Complete  Hand  Washing  Comp Assessment | Complete  Surgical Instruments  Comp Assessment | Professionalism  Preoperative Sterile  Perioperative Case Management |
| **9** | Read Intro:  Decontamination, Sterilization, and Disinfection | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 10 | Complete Self-check  20 MC questions | Complete Discussion Question | Complete  Clean vs. Disinfect vs. Sterilize Competency Assessment | Complete  Surgical Instruments  Comp Assessment |  | Professionalism  Preoperative Sterile  Perioperative Case Management |
| **10** | Read Intro: Robotic Surgery | Review Terminology  Activity | Complete Self-check  10 MC questions | Read Chapter 22, Section III: Robotic Surgery | Complete Self-check  20 MC questions | Complete Discussion Question | Complete  Robotics Competency Assessment | Complete  Surgical Instruments  Comp Assessment |  | Robotics |
| **11** | **Case Study Capstone Project**  **Assessment of course outcomes:**   * Describe surgical technology professional practice standards and safety. * Explain pre-operative surgical technology practices. * Explain peri-operative surgical technology practices. * Describe the professional roles within surgical technology. * AST: Preoperative Non-sterile - Surgical Technology * AST: Perioperative Case Management - Surgical Technology * AST: Pharmacology and Anesthesia - Healthcare Sciences * AST: Preoperative Sterile - Surgical Technology | | | | | | | | | |
| **Skills Evaluations** | * **Surgical Attire** * **Surgical Scrub** * **Drying Hands** * **Gowning and Gloving** * **Final Skills Evaluation** | | | | | | | | | |

**GRADING:**

**The FINAL SKILLS EVALUATION is worth 50% of your grade.**

* **A minimum of 75% is required on all Assessments**
* This is a two (2) credit, letter grade course.with the final grading scale as::
  + A = 90 – 100%
  + B = 80 – 89%
  + C = 75 - 79%
  + FAIL = < 75%

**Late assignments and/or quizzes are not accepted for any reason throughout the entire program.** Students are responsible for monitoring their own test scores and class averages.

**SYLLABUS CHANGE POLICY**

This syllabus is subject to change as the instructor evaluates the progress of students and their understanding of concepts.

**COURSE FAILURE POLICY**

If a student fails this course, he or she must withdraw from the program.

**LBCC Center for Accessibility Resources Policy**

Students who use accommodations in a regular classroom should contact their Instructors as soon as possible. If you have not accessed services and think you may need them, please contact the [LBCC **Center for Accessibility Resources** office (Links to an external site.)Links to an external site.](http://linnbenton.edu/go/ds), you can **send an email** or call 541.917.4789.

Accommodations for online courses may be different than those for traditional classrooms. It is important that you contact LBCC Center for Accessibility Resources as soon as possible to discuss solutions and options.

You should meet with your instructor during the first week of class if:

* You have a documented disability and need accommodations,
* Your instructor needs to know medical information about you, or
* You need special arrangements in the event of an emergency.

If you have not accessed services and think you may need them, please contact the Center for Accessibility Resources (CFAR), 541-917-4789.

**STATEMENT OF INCLUSION**

The LBCC community is enriched by diversity. Everyone has the right to think, learn, and work together in an environment of respect, tolerance, and goodwill. I actively support this right regardless of race, creed, color, personal opinion, gender, sexual orientation, or any of the countless other ways in which we are diverse. (Related to Board Policy #1015)