

**Bossier Parish Community College  
Master Syllabus**

**Course Prefix and Number:** STEC 102L

**Credits Hours:** 1

**Course Title:** Introduction to Surgical Techniques lab

**Prerequisites:** STEC 100

**Corequisite:** STEC 102

**Clock Hours:** 40 hours lab

**Time Increments:** semester

**Textbook:** Fuller, J.K, Surgical Technology Principles and Practice, 8<sup>th</sup> edition.  
Allhoff, T and Hinton, D.; Surgical Mayo Setups, 2<sup>nd</sup> edition  
Rutherford, Colleen; Differentiating Surgical Instruments, 3<sup>rd</sup> edition  
Rutherford, Colleen; Flashcards for Differentiating Surgical Instruments

**Course Description:**

Laboratory instruction to support lecture. Enrollment in the Surgical Technology Program courses is limited to those students who have been selected and admitted to the program. Program courses are sequenced by semester and must be taken as a group each semester per program requirements and policies.

**Methods of Teaching:** Skills Lab.

**Learning Outcomes:**

At the end of this course, the student will

- A. apply concepts of proper aseptic techniques to prepare, organize, set-up, and maintain the sterile environment during pre – op, intra-op, and post – op procedures;
- B. demonstrate techniques for opening sterile supplies, and donning of sterile and removal of contaminated gloves and gown;
- C. *demonstrate proper preparation and application of prep solutions and appropriate sterile draping for various surgical procedures, wound dressing/drains, and care of specimens*
- D. select and pass correct instruments for various surgical procedures by correlating anatomical and instrument knowledge.

To achieve the learning outcomes, the student will

1. distinguish between disinfection and sterilization. (A)

2. recognize the classification of patient-care equipment. (A)
3. recognize the hazards associated with the use of chemical disinfectants. (A,D)
4. describe different disinfectant agents. (A)
5. explain what sanitation is and how it is accomplished. (A)
6. describe the process of instrument decontamination. (A)
7. list the postoperative duties of the surgical technologist. (A,B)
8. apply standard precautions as they apply to decontamination. (A,B)
9. describe personal protective equipment. (A,B)
10. define sterility. (A,C,B)
11. distinguish between the process of sterilization and other processes that render objects clean or disinfected. (A)
12. prepare equipment for sterilization. (A)
13. describe the rationale for practicing aseptic technique. (B)
14. clearly distinguish among sterile, non-sterile, and aseptic. (B)
15. explain surgical conscience. (B)
16. explain the concept of barriers. (B,C)
17. practice the rules of aseptic technique. (B)
18. explain the relationship between personal hygiene and aseptic technique. (B)
19. perform the surgical hand scrub correctly. (C)
20. demonstrate aseptic technique by donning gown and gloves. (C)
21. don sterile gloves using proper open gloving technique. (C)
22. remove gown and gloves using aseptic technique. (C)
23. remove contaminated gloves from another person. (C)
24. discuss reasons why personnel might not follow the rules of asepsis. (C,B)
25. list the characteristics of common surgical prep solutions. (D)
26. identify necessary precautions to prevent injury associated with skin preparation. (D)
27. identify the use of a "no touch" preparation technique. (D)
28. identify the proper procedure to perform the surgical skin preparation for all areas of the body. (D)
29. identify the proper aseptic technique to catheterize male and female patients. (D)
30. identify the proper technique for draping the patient for torso, limb, and lithotomy procedures. (D)
31. demonstrate the correct set-up of a surgical case. (A,B)
32. demonstrate methods to open surgical supplies correctly. (A,B)
33. describe the process to perform sponge, needle, instrument, and sharp counts correctly. (B)
34. demonstrate neutral zone (no-hands) technique. (B)
35. demonstrate passing instruments so they are properly oriented for use. (D)
36. identify methods to care for specimens correctly. (C)
37. discuss methods of wound irrigation. (C)
38. identify methods to achieve hemostasis during surgery. (C)
39. discuss the selection and preparation of wound drains. (C)
40. demonstrate preparation of the surgical wound dressing. (C)
41. identify classifications of instruments. (D)
42. differentiate types of instruments by their functions. (D)
43. identify the different types of finishes on surgical instruments. (D)

44. describe the care and handling of instruments. (E)
45. describe several methods of learning about instruments. (E)
46. develop a personal plan for learning instruments. (E)
47. read each chapter prior to class. (A,B,C,D,E)

**Course Requirements:** To earn a grade of “C” or higher the student must earn 70% of the total points for the course and meet all of the following course requirements.

- minimum 80% on each practical (hands-on) test

**Outcome Assessment Methods:**

- skill evaluations verified by instructor utilizing skills proficiency check-off forms
- timed hands-on exams

**Course Grading Scale:**

- A- 90% or more of total points and no practical test score below 80% and demonstrated competency in all skills
- B- 80% or more of total points and no practical test score below 80% and demonstrated competency in all skills
- C- 70% or more of total points and no practical test score below 80% and demonstrated competency in all skills
- D- 60% or more of total points
- F- less than 60% of total possible points or less than 80% on any practical exam

**Attendance Policy:** The college attendance policy, which is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>, allows that “more restrictive attendance requirements may apply to some specialized classes such as laboratory, activity, and clinical courses because of the nature of those courses.” The attendance policy of the Surgical Technology program is described in the Surgical Technology Clinical Handbook.

**Course Fees:** This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, certification exams and/or clinical fees.

**Nondiscrimination Statement**

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA  
Angie Cao, Student and Disability Services Specialist

Disability Services, F254, 6220 East Texas Street, Bossier City, LA 71111  
318-678-6511

[acao@bpcc.edu](mailto:acao@bpcc.edu)

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator

Teri Bashara, Director of Human Resources

Human Resources Office, A-105

6220 East Texas Street

Bossier City, LA 71111

Phone: 318-678-6056

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

### **Course Content Outline:**

Skills Assessment Check Off for the following:

1. Basic Handwash
2. Donning Surgical Attire
3. Open Back table to establish sterile field
4. Open sterile supplies-small wrapped packages onto sterile field
5. Open sterile supplies-small wrapped packages onto rolling table (personal gown and glove).
6. Open sterile supplies-peel pack
7. Open sterile supplies-instruments sets
8. Surgical scrub
9. Gown and glove self
10. Dress mayo
11. Instrument handling-load a needle and knife blade
12. Case management-drape the patient
13. Instrument handling-recognize, prepare, and pass
14. Fill a bulb syringe
15. Gown and glove the surgeon and/or team member
16. Disrobe or deglove to replace a contaminated item
17. Disrobe at end of case
18. Remove soiled gloves
19. Open glove technique
20. Packageing
  - a. Container system
  - b. Peel pack
  - c. Wrap
21. Case Management-Post Procedure Actions

Reviewed by: A. Smith, May 23, 2022