

**Bossier Parish Community College
Master Syllabus**

Course Prefix and Number: STEC 112

Credit Hours: 6

Course Title: Surgical Practicum I

Course Prerequisites: STEC 100, STEC 102, STEC 102L

Course Corequisites: STEC 110, STEC 111

Clock Hours: 20 hours lab, 251 hours clinical

Time Increments: semester

Textbooks: Rothrock, June C. and Alexander, Sherri; Alexander's Surgical Procedures, 1st edition. Fuller, J.; Surgical Technology Principles and Practice, 8th edition Rutherford, Colleen J; Differentiating Surgical Instruments Allhoff, T. and Hinton, D.; Surgical Mayo Setups, 2nd edition Sheets, Susan D.; Surgical Notes

Course Description: Students participate as a member of the surgical team with one-to-one, hands-on instruction from a surgical technician preceptor. 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: Each student is placed with a surgical tech preceptor who instructs, demonstrates, guides, and completes a Daily Performance Evaluation, on each surgical procedure. During the first week of clinicals, the students will work in the OR skills lab with assessments on draping, Lap Trainer, and Urinary Catheterization. The students will research their assigned surgical cases the day before and bring in an outline on the procedure that includes anatomy involved, surgical approach, instruments required, and medications needed.

Learning Outcomes:

At the end of this course, the student will

- A. *display professional behavior, while functioning as a member of the surgical team by performing those skills and procedures appropriate to the role of the surgical technician in the clinical settings.*

To achieve the learning outcomes, the student will

1. evaluate the items on the preoperative patient check list. (A)

2. demonstrate the identification process for a surgical patient admitted to the surgical suite. (A)
3. demonstrate the principles of safe patient transportation. (A)
4. select and utilize the equipment for the safe transfer of the surgical patient and employ the principles of body mechanics when performing patient transfer. (A)
5. detail the sections and functions of the OR table and select appropriate components and aids necessary to perform basic positioning of the surgical patient. (A)
6. recognize the various agents used for skin preparation, the rationales for their use, and perform the steps for surgical skin prep. (A)
7. employ the principles involved in donning surgical attire. (A)
8. gather the instruments, supplies, and equipment needed for various surgical procedures. (A)
9. assess the function, assembly, use, and care of equipment in the surgical environment. (A)
10. apply the knowledge of basic surgical instrumentation to specific surgical procedures. (A)
11. plan methods of care, handling, and assembly of basic operating room furniture. (A)
12. identify the use of various supplies and accessory supplies in the operative environment. (A)
13. discuss sources of contamination in the operative area and apply sterile technique when necessary. (A)
14. demonstrate the steps of the surgical scrub employing sterile technique. (A)
15. employ sterile technique when self gowning and/or gloving and when assisting other team members. (A)
16. demonstrate initial techniques for preparing instruments and supplies on the sterile field. (A)
17. drape furniture and equipment needed for the surgical procedure. (A)
18. apply the three principles of asepsis in preparation of the surgical field. (A)
19. demonstrate the procedures for counting instruments, sponges, needles, and other items on the operative field. (A)
20. employ the techniques, timing, and methods of counts. (A)
21. using the appropriate drapes for specific positions and surgical procedures, demonstrate the general principles of draping the patient, equipment, and furniture. (A)
22. demonstrate the initial steps for starting a surgical procedure. (A)
23. position furniture and equipment to begin the surgical procedure. (A)
24. place and secure supplies on the sterile field. (A)
25. perform basic monitoring of patient homeostatic parameters. (A)
26. perform duties within their scope of practice related to emergencies in the OR setting. (A)
27. be CPR certified. (A)
28. analyze the classifications of surgical wounds and distinguish surgical procedures that fit the various categories. (A)

29. initiate the beginning steps for the intraoperative phase of a surgical procedure. (A)
30. monitor the sterile field and assess the needs of the surgical team. (A)
31. provide for the needs of the sterile team members. (A)
32. demonstrate the proper methods for obtaining, handling, and containing tissue specimens. (A)
33. employ basic routines of case management and recognize specific variations in intraoperative technique. (A)
34. identify the various tissue layers involved in different surgical procedures. (A)
35. describe the creation and usage of the surgical incision. (A)
36. differentiate among various methods of hemostasis. (A)
37. assess special techniques of hemostasis. (A)
38. identify criteria used to select exposure devices. (A)
39. apply techniques for tissue exposure. (A)
40. demonstrate proper suture selection, preparation, handling, and cutting techniques. (A)
41. demonstrate the proper placement, handling, loading and disposal of surgical needles. (A)
42. demonstrate selection, proper assembly, and usage of surgical staplers. (A)
43. demonstrate proper use of biological and synthetic adhesives. (A)
44. apply proper principles of sterile technique and demonstrate the application of commonly used types of surgical and specialty dressings. (A)
45. demonstrate basic wound care concepts and apply the principles of asepsis to the practice of sterile technique. (A)
46. perform decontamination of the OR environment and equipment. (A)
47. identify the methods of processing items during terminal sterilization and/or disinfection. (A)
48. identify variables related to the sterilization process and the materials to be processed. (A)
49. identify systems used for sterile storage. (A)
50. demonstrate proper technique in storing, handling, and distributing sterile supplies and demonstrate awareness of improper technique. (A)
51. demonstrate ability to function as a surgical scrub team member. (A)
52. demonstrate ability to function as an assistant to the circulating nurse. (A)
53. demonstrate the ability to develop disciplined work habits in the surgical suite and to function as a member of the surgical team. (A)
54. maintain a case diary of all surgical procedures in which the student participates. (A)

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 average of 70% on clinical evaluations
- complete a minimum of 275 clinical hours and a minimum 120 surgical cases (combined fall and spring semesters) which includes:
 - 30 cases in General Surgery, with 20 of those in the First Scrub Role

- The remaining 90 cases are from various surgical specialties, with 60 of those in the First Scrub Role, evenly distributed between a minimum of 5 surgical specialties. However, 15 is the maximum number of cases that can be counted in any one surgical specialty
 - 10 diagnostic endoscopic cases and 5 vaginal delivery cases can be counted towards the maximum number of Second Scrub Role cases
 - Observations must be documented, but do not count towards the 120 required cases
 - For a complete explanation on First & Second Scrub Role, refer to pages 18-20 in the Surgical Technology Clinical Handbook
- satisfactory journal documentation
 - skills assessment check off

Outcome Assessment Methods:

Skills assessment check offs must be performed at a satisfactory level for draping and laparoscopic techniques prior to clinical rotation.

Students are given their surgical case assignments each day prior to their surgical rotation. They are required to research each case (via textbooks or media medical sites) and turn in a Preparation Report for Clinical Cases on each assigned case the morning of their rotation.

Students are evaluated daily by their preceptor, utilizing the Daily Performance Evaluation, on each surgical case they scrub, utilizing the three domains of learning: cognitive, psychomotor, and affective. This daily performance evaluation is formative and based on duties of a surgical technician as defined by AST's core curriculum. It also allows the preceptor and clinical instructor to correct deficiencies on a daily basis and if necessary to remove a student from a case and provide a failing daily performance evaluation in situations that places the patient at risk or for repeated incidences of inability to meet critical criteria.

In addition to the daily evaluation, the students receive a summative midterm and final evaluation that evaluates the student's general knowledge, quality of work, professional attitude, personal development, and specific skills as it pertains to the duties of the surgical technician. Any **unsatisfactory** in a **critical skill (C)** category for the midterm or final may result in a "O" for the course and dismissal from the Surgical Technology program.

Course Grading Scale:

- A- 90% or more of total points on clinical evaluations and satisfactory journal documentation
- B- 80% or more of total points on clinical evaluations and satisfactory journal documentation

- C- 70% or more of total points on clinical evaluations and satisfactory journal documentation
- D- 60% or more of total points on clinical evaluations and satisfactory journal documentation
- F- less than 60% of total points on clinical evaluations or failure to submit satisfactory journal documentation

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

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:

OR Lab

I. Draping skills

1. Laparoscopic (abdominal)
2. Extremity
3. Head

II. Laparoscopic skills

1. Proper cord placement
2. Instrument sequence
3. Camera selection
4. Camera control and orientation

III. Urinary Catheterization

Clinicals

- 0630-130, Wednesday & Thursdays
- 0630-1130, Fridays

- I. Students are divided into two groups, with half attending Christus Highland Medical Center and the other half attending Willis Knighton Medical Center-Bossier.

Reviewed by: A. Smith, May 23, 2022