SUR135 Principles and Practices of Surgical Tech Syllabus

Course Information

Credits 5
Campus Washburn Institute of Technology
Address 5724 SW Huntoon
City/State/Zip Topeka, Kansas 66604
Office Fax 785-273-7080

Description
The course is designed to teach the student about basic care practices of the operating room and will include aseptic technique, patient care and surgical case management. It covers a multitude of duties and concepts of both the scrub and circulating roles of the operating room. This also includes scrubbing, gowning, and gloving; preparing and maintaining the sterile field for surgery; methods of sterilization; all operating room (OR) equipment and it's use, sponge, sharp, and instrument counts; specialty instruments and their care, surgical dressings, catheters, tubes and drains; pre-op, intra-op, and post-op duties of the surgical tech and circulating nurse like positioning, prepping and draping and more.

Textbooks
ISBN: 978-1-305-95641-4
ISBN: 978-1-30-595643-8
ISBN: 978-1-337-60669-1
ISBN: 978-0-8036-4571-4

Student Learning Outcomes:
A. Communicate effectively
B. Integrate technology
C. Learn effectively
D. Demonstrate cooperative teamwork skills
E. Apply safety in the workplace
F. Think critically and creatively
G. Demonstrate responsible work ethics

Competencies
1. Post-operative case management – Identify proper technique for post-operative management duties.
2. Asepsis and sterile technique – Discuss terms related to asepsis and sources of contamination.
3. Attire – Recognize appropriate surgical attire.
4. Decontamination/disinfection – Discuss the factors and variables of disinfection and decontamination of the OR environment and instruments.
5. Emergency procedures – Describe the procedures carried out in the OR related to emergency procedures (hemolytic reactions, anaphylactic reaction, malignant hypothermia, cardiac arrest)
7. Skin preparation – Describe the steps and rationales for surgical skin preparation.
8. Sterile storage and distribution – Identify proper technique in storing, handling, and distributing sterile supplies.
9. Review of the chart – Recognize common pre-operative lab tests and appropriate documentation.
10. Instrumentation – Identify the classifications, names, parts, materials, finishes and uses of basic surgical instrumentation.
12. Draping – Describe the general principles of draping the patient, equipment and furniture.
13. Preparation of sterile field – Identify techniques for preparing instruments and supplies on the sterile field.
14. Scrubbing – Describe the appropriate technique of the surgical hand scrub.
15. Gowning and gloving – Describe the proper technique for gowning and gloving self, open gloving, and gowning and gloving another.
16. Room preparation and equipment – Identify the use of various supplies and equipment in the operative environment.
17. Case selection – Identify sources of information for gathering the required instruments, supplies and equipment needed for a surgical procedure.
18. Sterilization – Identify the methods of processing items during terminal sterilization and/or disinfection.
19. Transfer – Identify equipment and technique utilized for safe transfer of the surgical patient.
20. Counts – Describe the procedures for counting instruments, sponges, needles and other items on the field.
21. Specimen care – Describe the handling of tissue specimens.
22. Hemostasis - Identify the principles and methods of hemostasis.
23. Transportation - Identify methods of patient transportation.
25. Catheters and drains – Identify types of catheters and drains and their uses on the surgical patient.
26. Urinary catheterization – Discuss the basic considerations for urinary catheterization.
27. Surgical wound classification – Evaluate the classifications of surgical wounds.
28. Wound healing – Identify factors that influence wound healing.
30. Discuss the classification of surgical wounds.
31. Demonstrate appropriate Peri-Operative practices in the Simulation Lab (RSC).

A detailed list of competences are listed in the 6th Edition of the Core Curriculum for Surgical Technology by the Association of Surgical Technologists and may be found at http://www.ast.org/educators/documents/AST_Core_Curriculum_8.31.12.pdf.

Guidelines for Success

Assessment Plan
Assessment is an integral part of the educational process at Washburn Tech and accurate feedback is an important tool in continuously improving the institution's technical programs. Students can expect to participate in assessment activities prior to entry into programs, within specific courses and following program completion for specific fields of study.

Grading Rationale and Grading Scale
Grades will be issued at the completion of each 9 weeks. A student may not continue in the program with a final grade less than a "C". The following is the grading scale:

- A 94% - 100%  Excellent work
- B 87% - 93%  Above average work
- C 80% - 86%  Minimum acceptable level, average
- D 75% - 79%  Below average and unacceptable to continue in class
- F 74.5% or below Fail

Daily Grades
Five points daily will be given for class participation. Ten points given daily for attendance Points will be deducted for absence, unprofessionalism, tardiness, bad attitude, or anything else determined by the instructor.

Unit tests and Pop quizzes will be given. Test material may come from any of your books on that particular subject or from lecture and videos. Take notes. Chapter tests will be given and a final exam given at course completion.

Attendance
Attendance is crucial. If a student is absent 5 hours or more zero points will be awarded for that day. If a student is absent 3 hours a day a minimum of 5 points can be earned. If a student is tardy more than 5 minutes he/she will lose 2 points. You will be given 2 “free tardies” that will not count against your attendance. A minimum of 90% attendance is required.
Disability
The Americans with Disabilities Act (ADA) Office is responsible for assisting in arranging accommodations and for identifying resources at Washburn Institute of Technology for persons with disabilities. Qualified students with disabilities MUST self-identify by completing an application. In addition students must provide appropriate medical documentation to the ADA coordinator to be eligible for accommodations. New requests for accommodations should be submitted at least two months or more prior to the date the accommodations are needed. However, please contact the ADA office as soon as a need may arise. Depending on the accommodation request, four to eight weeks lead time may be needed for timely and effective provision of accommodations.

The ADA Office coordinates and assists in arranging accommodations it deems appropriate for eligible students on a case-by-case basis. If you are a student with a disability that may substantially limit your ability to participate in any of our classes and you believe that you will need accommodations, it is your responsibility to contact: ADA Coordinator, 785.670.3365 or Gloria.christian@washburn.edu.

Washburn University prohibits discrimination on the basis of race, color, religion, age, national origin, ancestry, disability, sex, sexual orientation, gender identity, genetic information, veteran status, or marital or parental status. The following person has been designated to handle inquiries regarding the non-discrimination policies: Dr. Pamela Foster, Equal Opportunity Director/Title IX Coordinator, Washburn University, 1700 SW College Ave, Topeka, Kansas 66621, 785.670.1509, eodirector@washburn.edu.