ST 100 Introduction to Surgical Technology

Credit Hours: 6 HRS

Scheduled hours per week:
- Lecture: 2 HRS
- Lab: 4 HRS
- Clinical Laboratory: 6 HRS

Catalog Course Description: This course is designed to introduce the student to the role, working environment, and required skills of the ST. Asepsis, sterile technique, and surgical case management are emphasized in structured campus laboratory and in the clinical setting.

Pre-requisites: Admission to the program

Pre/Co-requisites: ST 102, BIOL 109, Math 120

Course Learning Outcomes:
1. Identify surgical case management and describe the principles of peri-operative organization.
2. Indicate the psycho-social needs in special populations of surgical patients.
3. Read about legal-ethical concepts that influence the role of the surgical technologist.
4. Select communication techniques that enhance interpersonal relationships in the surgical environment.
5. Recognize the responsibility for professional development as a health care provider.

Topics to be studied:
1. Introduction to the professional practice of the surgical technologist
   a. Roles and responsibilities
   b. Scope of practice
   c. Code of ethics
2. Principles of Surgical technology
   a. Pre-operative
      i. Non-sterile
         1. Attire
         2. Pre-operative preparation of patient
         3. Patient identification
         4. Transportation
         5. Review of the chart
         6. Surgical consent
         7. Transfer
         8. Positioning
         9. Urinary catheterization
         10. Skin preparation
         11. Equipment
         12. Instrumentation
      ii. Sterile
         1. Asepsis and sterile technique
         2. Hand hygiene and surgical scrub
         3. Gowning and gloving
         4. Surgical counts
5. Draping
   b. Intra-operative sterile
      1. Specimen care
      2. Abdominal incisions
      3. Hemostasis
      4. Exposure
      5. Catheter and drains
      6. Wound closure
      7. Surgical dressings
      8. Wound healing
      9. Tissue replacement materials
     10. Emergency patient situations
   c. Post-operative sterile
      i. Post-anesthesia care unit (PACU)
      ii. Methods of disinfection and sterilization
      iii. Sterile storage and distribution
      iv. Environmental disinfection of the OR
   d. Peri-operative case management
   e. Assistant circulator role
   f. Surgical rotation case requirements
      i. General surgery
      ii. Surgical specialties
      iii. Diagnostic endoscopy
      iv. Labor and delivery
      v. First and second scrub role and observation definitions
   g. Health care facility information
      i. Health care facility organization and management
      ii. Physical environment
      iii. All hazards preparation
   h. Summative lab skills assessments
      i. Surgical technologist in the scrub role
      ii. Surgical technologist in the assistant circulator role
      iii. Disinfection and sterilization

Relationship of Course to Program or Discipline Learning Outcomes:
The course learning objectives for ST 100 introduce the student to each of the concepts related to the five (5) program outcomes designated by the Surgical Technology Program.
Special requirements of the course:
- Rotation through surgical service departments
- Observation of surgical procedures
- Computer and internet access is required

Additional information:
- Physical examination with required immunizations or waiver as indicated
- Current Health Care Provider CPR Certification, the American Heart Association Health Care Provider (with use of AED)
- Background Check
- Randomized, mandatory drug screening without notice
- Travel required to area clinical settings
- Required education as determined by the faculty and affiliate health care agencies

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