

University of Arkansas - Fort Smith
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General Syllabus

SUR 155A Surgical Technology Practicum II

Credit Hours: 10

Lecture Hours: 0

Laboratory Hours: 20

Prerequisites: SUR 1526 Surgical Technology Procedures I and SUR 153A Surgical Technology Practicum I

Corequisite: SUR 1546 Surgical Technology Procedures II

Effective Catalog: 2018-2019

I. Course Information

A. Catalog Description

Students perform surgical functions in all phases of surgical procedures, acquire a working knowledge of specialty instruments and equipment, and perform circulating duties under direct supervision.

B. Additional Information -None

II. Student Learning Outcomes

A. Subject Matter

The following learning outcomes are classified as (C) Cognitive, (P) Psychomotor, (A) Affective

Upon successful completion of this course, the student will be able to:

1. Demonstrate proper suture selection, preparation, handling, and cutting techniques. (P)
2. Apply aseptic technique principles to applying common surgical dressings. (C)
3. Assemble correct supplies, suture, and instrumentation for assigned gastrointestinal surgery. (C)
4. Demonstrate the correct set-up of a cesarean section. (C)
5. Choose the correct patient position for the patient undergoing a TURP. (C)
6. Demonstrate correct set-up and procedure for a TURP. (P)
7. Demonstrate correct methods of draping for differing orthopedic surgeries. (P)

8. Discuss the emotional indications of debilitating orthopedic procedures. (C)
9. Analyze the procedural steps for a craniotomy. (C)
10. Discuss the postoperative complications and long-term effects of neurological surgery. (C)
11. Demonstrate proper set-up of the cataract procedure. (P)
12. Demonstrate correct set-up of a cystoscopy. (P)
13. Demonstrate the correct procedure for caring for specimens. (P)
14. Define correct patient positioning for the patient undergoing a tonsillectomy. (C)
15. Demonstrate safety measures needed for the child undergoing a tonsillectomy. (P)
16. Explain the rationale of sponge, needle, and instrument counts and demonstrate compliance with hospital procedure concerning intra-operative counts. (C), (P)
17. Identify the anatomy, physiology, and pathophysiology of the thoracic/pleural cavity. (C)
18. Report assigned information concerning the patient undergoing a cardiac artery bypass graft. (A)
19. Observe a cardiac artery bypass graft. (A)
20. Explain and practice standard precautions in relation to blood borne pathogens. (P)
21. Observe the preparation and handling of vascular grafts. (A)

B. University Learning Outcomes

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will demonstrate the correct methods for varied surgeries.

Communication Skills (written and oral)

Students will communicate both written and orally the outcomes of the surgical process.

III. Major Course Topics

- A. Diagnostic Procedures and Introduction to Disease Processes
- B. Incisions
- C. General Surgery: Breast, Hernia, Thyroid, and Parathyroid
- D. General Surgery: Alimentary Tract
- E. Obstetric and Gynecologic Surgery
- F. Genitourinary Surgery
- G. Orthopedic Surgery
- H. Ophthalmic Surgery
- I. Otorhinolaryngologic Surgery

- J. Oral and Maxillofacial Surgery
- K. Neurosurgery
- L. Plastic and Reconstructive Surgery
- M. Cardiac Surgery
- N. Thoracic Surgery
- O. Peripheral Vascular Surgery
- P. Disaster Preparation