

Course discipline/number/title: ST 2123: Surgical Procedures I

A. CATALOG DESCRIPTION

1. Credits: 9
2. Hours/Week: 2 Lecture, 14 Lab
3. Prerequisites (Course discipline/number): ST 2122
4. Other requirements: None
5. MnTC Goals (if any): NA

B. COURSE DESCRIPTION: This course combines classroom and clinical experience with a focus on procedures in neurosurgery, cardiovascular, peripheral vascular, interventional radiology, plastics, and transplantation. In clinical, scrubber and assistant circulating duties are practiced.

C. DATE LAST REVISED (Month, year): September, 2023

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Anatomy review of nervous, peripheral vascular, cardiovascular, and related anatomy of plastic and transplantation surgery.
2. Pathophysiology of the cardiovascular, peripheral-vascular, interventional radiology, nervous systems, plastic and transplantation surgery.
3. Perioperative process of nervous, cardiovascular, peripheral-vascular, interventional radiology, nervous systems, plastic and transplantation surgery.
4. Instruments, supplies, and equipment for cardiovascular, peripheral-vascular, nervous systems, plastic and transplantation surgery.
5. Scrub cardiovascular, peripheral-vascular, interventional radiology, neurosurgery transplantation, and plastic procedures
6. Assistant circulate various procedures
7. Scrub role in various other specialties

E. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Explain patient care concepts.
2. Apply the principles of asepsis in a knowledgeable manner to provide optimum patient care.
3. Utilize basic surgical case preparation skills in cardiovascular, peripheral vascular, neurosurgery and plastic surgery.
4. Demonstrate the role of the scrub person by creating and maintaining the sterile field.
5. Show accountability as a healthcare professional.
6. Demonstrate knowledge of procedures performed in cardiovascular, peripheral vascular, neurosurgery and plastic surgery.

F. LEARNING OUTCOMES (MNTC): NA

G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:

1. Written testing
2. Written assignments
3. Observation and evaluation of students' clinical skills in an operating room setting

H. RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcome(s): Communication. Students will communicate appropriately for their respective audiences.

Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

I. SPECIAL INFORMATION (if any): None