

# Surgery (SUR)

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## **SUR 110. Intro to Surgical Technology. 3.0 Credits.** Class-3.0.

Clinical-0.0. Lab-0.0. Work-0.0

This course provides a comprehensive study of peri-operative care, patient care concepts, and professional practice concepts within the profession of surgical technology. Topics include: introductory concepts, organizational structure and relationships, legal, ethical and moral issues, medical terminology, pharmacology, anesthesia, wound healing management concepts, and the technological sciences. Upon completion, students should be able to apply theoretical knowledge of the course topics to the practice of surgical technology.

Corequisites: Take SUR 111

## **SUR 111. Periop Patient Care. 7.0 Credits.** Class-5.0. Clinical-0.0.

Lab-6.0. Work-0.0

This course provides the surgical technology student the theoretical knowledge required to function in the pre-operative, intra-operative, and post-operative role. Topics include asepsis, disinfection and sterilization, physical environment, instrumentation, equipment, peri-operative patient care, and peri-operative case management. Upon completion, students should be able to apply the principles and practice of the peri-operative team member to the operative environment.

Corequisites: Take SUR 110

## **SUR 122. Surgical Procedures I. 6.0 Credits.** Class-5.0. Clinical-0.0.

Lab-3.0. Work-0.0

This course provides an introduction to selected basic and intermediate surgical specialties that students are exposed to the first clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

Prerequisites: Take all: SUR 110 and SUR 111

Corequisites: Take SUR 123

## **SUR 122AB. Surgical Procedures I. 3.0 Credits.** Class-2.5. Clinical-0.0.

Lab-1.5. Work-0.0

This course provides an introduction to selected basic and intermediate surgical specialties that students are exposed to the first clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

Prerequisites: Take all: SUR 110 and SUR 111

Corequisites: Take SUR 123

## **SUR 122BB. Surgical Procedures I. 3.0 Credits.** Class-2.5. Clinical-0.0.

Lab-1.5. Work-0.0

This course provides an introduction to selected basic and intermediate surgical specialties that students are exposed to the first clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

Prerequisites: Take all: SUR 110 and SUR 111

Corequisites: Take SUR 122AB

## **SUR 123. Sur Clinical Practice I. 7.0 Credits.** Class-0.0. Clinical-21.0.

Lab-0.0. Work-0.0

This course provides clinical experience with a variety of perioperative assignments to build upon skills learned in SUR 111. Emphasis is placed on the scrub and circulating roles of the surgical technologist including aseptic technique and basic case preparation for selected surgical procedures. Upon completion, students should be able to prepare, assist with, and dismantle basic surgical cases in both the scrub and circulating roles.

Prerequisites: Take all: SUR 110 and SUR 111

Corequisites: Take SUR 122

## **SUR 123AB. Sur Clinical Practice I. 3.5 Credits.** Class-0.0. Clinical-10.5.

Lab-0.0. Work-0.0

This course provides clinical experience with a variety of perioperative assignments to build upon skills learned in SUR 111. Emphasis is placed on the scrub and circulating roles of the surgical technologist including aseptic technique and basic case preparation for selected surgical procedures. Upon completion, students should be able to prepare, assist with, and dismantle basic surgical cases in both the scrub and circulating roles.

Prerequisites: Take all: SUR 110 and SUR 111

Corequisites: Take SUR 122

## **SUR 123BB. Sur Clinical Practice I. 3.5 Credits.** Class-0.0. Clinical-10.5.

Lab-0.0. Work-0.0

This course provides clinical experience with a variety of perioperative assignments to build upon skills learned in SUR 111. Emphasis is placed on the scrub and circulating roles of the surgical technologist including aseptic technique and basic case preparation for selected surgical procedures. Upon completion, students should be able to prepare, assist with, and dismantle basic surgical cases in both the scrub and circulating roles.

Prerequisites: Take all: SUR 110 and SUR 111

Corequisites: Take SUR 123AB

## **SUR 134. Surgical Procedures II. 5.0 Credits.** Class-5.0. Clinical-0.0.

Lab-0.0. Work-0.0

This course provides a comprehensive study of intermediate and advanced surgical specialties that students are exposed to in the second clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

Prerequisites: Take SUR 123

## **SUR 135. SUR Clinical Practice II. 4.0 Credits.** Class-0.0. Clinical-12.0.

Lab-0.0. Work-0.0

This course provides clinical experience with a variety of perioperative assignments to build skills required for complex perioperative patient care. Emphasis is placed on greater technical skills, critical thinking, speed, efficiency, and autonomy in the operative setting. Upon completion, students should be able to function in the role of an entry-level surgical technologist.

Prerequisites: Take SUR 123

Corequisites: Take SUR 134

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**SUR 137. Professional Success Preparation. 1.0 Credit.** Class-1.0.

Clinical-0.0. Lab-0.0. Work-0.0

This course provides employability skills and an overview of theoretical knowledge in preparation for certification. Topics include test-taking strategies, resume preparation, interviewing strategies, communication skills, and teamwork concepts. Upon completion, students should be able to prepare a resume, demonstrate appropriate interview techniques, and identify strengths and weaknesses in preparation for certification.

**SUR 210. Advanced Sur Clinical Practice. 2.0 Credits.** Class-0.0.

Clinical-6.0. Lab-0.0. Work-0.0

This course is designed to provide individualized experience in advanced practice, education, circulating, and managerial skills. Emphasis is placed on developing and demonstrating proficiency in skills necessary for advanced practice. Upon completion, students should be able to assume leadership roles in a chosen specialty area.

Prerequisites: Take SUR 135, minimum grade of C

**SUR 211. Advanced Theoretical Concepts. 2.0 Credits.** Class-2.0.

Clinical-0.0. Lab-0.0. Work-0.0

This course covers theoretical knowledge required for extension of the surgical technologist role. Emphasis is placed on advanced practice in complex surgical specialties, educational methodologies, and managerial skills. Upon completion, students should be able to assume leadership roles in a chosen specialty area.

Prerequisites: Take SUR 134, minimum grade of C

**SUR 212. Surgical Clinical Supplement. 4.0 Credits.** Class-0.0.

Clinical-12.0. Lab-0.0. Work-0.0

This course provides the opportunity to continue mastering the continuity of care in the peri-operative assignment. Emphasis is placed on maintaining and enhancing acquired clinical skills in the peri-operative setting. Upon completion, students should be able to demonstrate mastery of surgical techniques in the role of the entry level surgical technologist.