

## **COURSE INFORMATION**

**COURSE PREFIX NO:** SUR 103  
**COURSE TITLE:** Surgical Procedures I  
**LECTURE HRS/WK:** 2.0  
**LAB HRS/WK:** 6.0  
**CREDIT HRS/SEMESTER:** 4.0

[Distance Learning Attendance/VA Statement](#)  
[Textbook Information](#)

## **COURSE DESCRIPTION**

This course is a study of a system-to-system approach to surgical procedures and relates regional anatomy, pathology, specialty equipment, and team responsibility. Patient safety, medical/legal aspects, and drugs used in surgery are emphasized. Surgical procedures discussed in this course are general, peripheral vascular, orthopedic and neurosurgery.

## **COURSE COMPETENCIES**

### **MODULE 1: General Surgery**

1. Recognize the relevant anatomy and physiology of the abdominal wall, digestive system, hepatic and biliary system, pancreas, spleen, thyroid, and breast.
2. Recall the names and uses of general surgery instruments, supplies, and drugs.
3. Recall the names and uses of special equipment related to general surgery.
4. Identify the purpose and expected outcomes of the illustrative procedures.
5. Summarize the surgical steps of the illustrative general surgery procedures in this chapter.
6. Indicate the pathology and related terminology of each system or organ that prompts surgical intervention.
7. Indicate special preoperative preparation procedures related to general surgery procedures.
8. Propose the intraoperative preparations of the patient specific to the illustrative procedures.
9. Evaluate preoperative diagnostic procedures and tests.
10. Determine the immediate postoperative care of the patient and possible complications of the illustrative procedures.
11. Determine any specific variations related to the preoperative, intraoperative, and postoperative care of the general surgery patient.

### **MODULE 2: Peripheral Vascular Surgery**

1. Recognize the relevant anatomy of the peripheral vascular system.
2. Recognize the immediate postoperative care and possible complications of the peripheral vascular procedures.
3. Summarize the pathology that prompts surgical intervention of the peripheral vascular system and the related terminology.
4. Summarize the surgical steps of the peripheral vascular procedures.
5. Indicate the names and uses of peripheral vascular instruments, supplies, and drugs.
6. Indicate the names and uses of special equipment.
7. Interpret the purpose and expected outcomes of the peripheral vascular procedures.
8. Determine any special preoperative peripheral vascular diagnostic procedures.
9. Determine any special preoperative preparation procedures.

10. Determine the intraoperative preparations of the patient undergoing the peripheral vascular procedures.
11. Assess any specific variations related to the preoperative, intraoperative, and postoperative care of the patient undergoing peripheral vascular surgery.

### **MODULE 3: Orthopedic Surgery**

1. Recognize the relevant anatomy and physiology of the musculoskeletal system.
2. Recognize the immediate postoperative care and possible complications of the orthopedic procedures.
3. Summarize the pathology of the musculoskeletal system that prompts surgical intervention and the related terminology.
4. Indicate the names and uses of orthopedic instruments, supplies, and drugs.
5. Indicate the names and uses of special equipment related to orthopedic procedures.
6. Summarize the surgical steps of the orthopedic procedures.
7. Interpret the purpose and expected outcomes of the orthopedic procedures.
8. Determine any special preoperative orthopedic diagnostic procedures/tests.
9. Determine any special preoperative preparation related to orthopedic procedures.
10. Determine the intraoperative preparation of the patient undergoing an orthopedic procedure.
11. Assess any specific variations related to the preoperative, intraoperative, and postoperative care of the orthopedic patient.

### **MODULE 4: Neurosurgery**

1. Recognize the relevant anatomy and physiology of the neurological system.
2. Recognize the immediate postoperative care and possible complications of the neurosurgical procedures.
3. Summarize the pathology that prompts surgical intervention of the neurological system and the related terminology.
4. Summarize the surgical steps of the neurosurgical procedures.
5. Summarize recent advances in neurosurgery.
6. Indicate the names and uses of neurosurgical instruments, supplies, and drugs.
7. Indicate the names and uses of special equipment related to neurosurgery.
8. Interpret the purpose and expected outcomes of the neurosurgical procedures.
9. Determine any special preoperative neurological diagnostic procedures/tests.
10. Determine any preoperative preparation procedures related to neurosurgery.
11. Determine the intraoperative preparation of the patient undergoing a neurosurgical procedure.
12. Assess any specific variations related to the preoperative, intraoperative, and postoperative care of the neurosurgical patient.

### **MINIMAL STANDARDS**

Students must have a final average of 80% or better in lecture and a final average of 80% or better in the laboratory component of this course. If either the lecture or the lab average is below 80%, the student will **not successfully complete** this course. The student must **earn a satisfactory final grade (80% or higher)** in this course to continue in the Surgical Technology Program.

### **COURSE REQUIREMENTS**

In order to successfully complete SUR 103, the student is required to fulfill the following requirements:

1. Complete all reading assignments prior to class sessions.

2. Successfully complete all competency based exams, quizzes, projects and assignments with a minimum average grade of 80%.

## EVALUATION STRATEGIES

### Written Exams:

Each module will have a minimum of one (1) exam. All tests will be announced one (1) week prior to the exam date. The exam can be constructed with multiple choice questions, matching, fill-in-the-blank, essay (short essays) or class presentations/projects. **If a student will be absent on the day of the exam she/he is to contact the instructor prior to class.** If a student is not present on the day of the assigned exam, the grade for the exam will be dropped one letter grade. The student must make an appointment with the Assessment Center (981-7176) to schedule a time to complete the exam. The exam must be taken prior to the next class meeting. If a student fails to make up the exam, the student will receive a grade of zero (0) on the exam. No exams will be returned to the student until all students have taken the exam.

### Lab Competencies:

All competency skills assessments will be announced a minimum of one (1) week prior to the check-off. If a student is not present on "check-off" day, each missed competency will be dropped one letter grade. She/he must make-up the missed competency(s) on a designated date set by the instructor. In the event the student fails to attend the makeup day, a grade of zero "0" will be **earned** and the student may be dismissed from the Surgical Technology Program.

## GRADING PROCEDURES

Grades will be based on performance on written competency based tests, class work, projects and quizzes. Exam material will come from text book, lecture material, handouts and class discussion.

### Evaluation of performance:

- Module Exams: 50%
- Class work/Homework: 20%
- Projects: 30%

### College Grading Scale:

93-100	A
85-92	B
80-84	C
75-79	D
Below 75	F

- There will be an exam for each Module (4). Each exam will count as 12.5% of your final grade.
- Homework for each module will count as 5% of your final grade.
- Two class projects will each count as 15% of your final grade.

## ATTENDANCE

### Attendance Policy:

Students are expected to attend all lecture and lab sessions of SUR 103. If an absence is unavoidable, the student must contact the instructor prior to the class and/or lab session. Failure to attend class will result in an absence. **If a student is absent more than two (2) consecutive days, a doctor's statement is required.** SUR students are responsible for explaining EACH absence.

It is the judgment and experience of the program administrators that more than **two** absences make successful satisfactory completion of course requirements very difficult. Therefore, students with more than two absences may be withdrawn from the program at the discretion of the instructor.

The student may apply to be considered for re-admission if all other grades and lab performance are satisfactory according to York Tech policy. Refer to the York Technical College Student Handbook. Students should realize the direct relationship that exists between good grades and class attendance.

**Late arrivals / Early departures:**

Attendance in a class meeting requires being in the classroom and prepared for class at the time the class is scheduled to begin **and** remaining in the classroom until the instructor concludes the class session. Students are expected to arrive to class meetings at or before the scheduled start time and stay for the entire class session. Three (3) late arrivals and/or early departures will equal one (1) absence.

**Students are required to phone the instructor for all absences and late arrivals.**

**Lab attendance:**

The student must attend lab as scheduled. Any time missed must be made up as soon as possible, by scheduling it with the lab instructor. If a student must be absent, the lab instructor is to be notified as soon as possible. Students must attend lab regularly, as scheduled, as an employee would be responsible to the workplace.

**ACADEMIC INTEGRITY**

The policies stated in the *York Technical College Catalog & Handbook* and the *Surgical Technology handbook* will be enforced.

**ENTRY LEVEL SKILLS**

A student entering SUR 103 should have appropriate entrance scores for the Surgical Technology Program and the willingness to read, comprehend, and communicate effectively.

**PREREQUISITES**

SUR 101, SUR 102

**CO-REQUISITES**

SUR 104, SUR 111

SUR 130 is a co-requisite for the Surgical Technology Diploma and is not a requirement for the Central Service Certificate.

**DISABILITIES STATEMENT**

Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.

**Revised Date: 06/09**