



South Central College

SURG 1240 Surgical Techniques I

Common Course Outline

Course Information

Description This is the first course that will focus on surgical techniques. This course emphasizes procedures related to general, obstetrics, gynecology, genitourinary, ears, nose, and throat, orthopedics, and ophthalmic surgery. Topics related to anatomy and physiology, microbiology, pathophysiology, wounds, and phases of healing. (Prerequisite: SURG 1100, Corequisite: SURG 1220.)

Total Credits 6

Total Hours 96

Types of Instruction

| Instruction Type | Credits/Hours |
|-------------------------|----------------------|
| Lecture | 6/96 |

Pre/Corequisites

Prerequisite SURG 1100

Corequisite SURG 1220

Course Outcomes

1. Identify basic anatomy and physiology pertaining to general procedures.

Learning Objectives

Identify basic anatomy and physiology pertaining to general procedures.
List wound classifications and phases of healing for general procedures.

2. List the order of steps taken during general procedures.

Learning Objectives

List the supplies, equipment, and instrumentation for general procedures.
Relate medical terminology as it applies to general procedures.

3. Identify basic microbiology and pathophysiology related to general procedures.

Learning Objectives

Relate pathophysiology to general procedures.
Define the impact of microbiology in general procedures.

Analyze the relationship between cell pathology and disease.

4. Identify basic anatomy and physiology pertaining to obstetrics and gynecologic procedures.

Learning Objectives

Discuss diagnostic interventions that are utilized for obtaining a diagnosis in obstetrics and gynecologic surgery.
Define the impact of microbiology in obstetrics and gynecologic procedures.

5. List the order of steps taken during obstetrics and gynecologic procedures.

Learning Objectives

List the supplies, equipment, and instrumentation for obstetrics and gynecologic procedures.
Relate medical terminology as it applies to obstetrics and gynecologic procedures.

6. Identify basic microbiology and pathophysiology related to obstetrics and gynecologic procedures.

Learning Objectives

Relate pathophysiology to obstetrics and gynecologic procedures.
Define the impact of microbiology in obstetrics and gynecologic procedures.
Analyze the relationship between cell pathology and disease.

7. Identify basic anatomy and physiology pertaining to genitourinary procedures.

Learning Objectives

Discuss diagnostic interventions that are utilized for obtaining a diagnosis in genitourinary surgery.
List wound classifications and phases of healing for genitourinary procedures.

8. List the order of steps taken during genitourinary procedures.

Learning Objectives

List the supplies, equipment, and instrumentation for genitourinary procedures.
Relate medical terminology as it applies to genitourinary procedures.

9. Identify basic microbiology and pathophysiology related to genitourinary procedures.

Learning Objectives

Relate pathophysiology to genitourinary procedures.
Define the impact of microbiology in genitourinary procedures.
Analyze the relationship between cell pathology and disease.

10. Identify basic anatomy and physiology pertaining to ears, nose, and throat procedures.

Learning Objectives

Discuss diagnostic interventions that are utilized for obtaining a diagnosis in ears, nose, and throat surgery.
List wound classifications and phases of healing for ears, nose, and throat procedures.

11. List the order of steps taken during ears, nose, and throat procedures.

Learning Objectives

List the supplies, equipment, and instrumentation for ears, nose, and throat procedures.
Relate medical terminology as it applies to ears, nose, and throat procedures.

12. Identify basic microbiology and pathophysiology related to ears, nose, and throat procedures.

Learning Objectives

Relate pathophysiology to ears, nose, and throat procedures.
Define the impact of microbiology in ears, nose, and throat procedures.
Analyze the relationship between cell pathology and disease.

13. Identify basic anatomy and physiology pertaining to orthopedic procedures.

Learning Objectives

Discuss diagnostic interventions that are utilized for obtaining a diagnosis in orthopedic surgery.
List wound classifications and phases of healing for orthopedic procedures.

14. List the order of steps taken during orthopedic procedures.

Learning Objectives

List the supplies, equipment, and instrumentation for orthopedic procedures.
Relate medical terminology as it applies to orthopedic procedures.

15. Identify basic microbiology and pathophysiology related to orthopedic procedures.

Learning Objectives

Relate pathophysiology to orthopedic procedures.
Define the impact of microbiology in orthopedic procedures.
Analyze the relationship between cell pathology and disease.

16. Identify basic anatomy and physiology pertaining to ophthalmic procedures.

Learning Objectives

Discuss diagnostic interventions that are utilized for obtaining a diagnosis in ophthalmic surgery.
List wound classifications and phases of healing for ophthalmic procedures.

17. List the order of steps taken during ophthalmic procedures.

Learning Objectives

List the supplies, equipment, and instrumentation for ophthalmic procedures.
Relate medical terminology as it applies to ophthalmic procedures.

18. Identify basic microbiology and pathophysiology related to ophthalmic procedures.

Learning Objectives

Relate pathophysiology to ophthalmic procedures.
Define the impact of microbiology in ophthalmic procedures.
Analyze the relationship between cell pathology and disease.

19. Discuss general, obstetrics, gynecology, genitourinary, ears, nose, and throat, orthopedic, and ophthalmic surgical procedures.

Learning Objectives

Apply medical terminology as it relates to each procedure.
Compare and contrast the approach for each procedure.
Discuss the diagnostic procedures and pathology used to obtain a diagnosis.
Describe preoperative patient preparation and consideration for each procedure.
Recognize the necessary supplies, instrumentation, and equipment for each procedure.
Evaluate the use of medications for each procedure.
Identify the wound classification for each procedure.
Examine hemodynamic disorders, inflammation, and infection.
Compare and contrast the various surgical pathologies of each body system.
Discuss postoperative care, considerations, and potential complications for the surgical patient.
Combine prefixes, word roots, and suffixes to create medical terms, pronounce medical terms, write medical terms, and identify abbreviations.

SCC Accessibility Statement

Disability Services provides accommodations and other supports to students with permanent and temporary disabilities that affect their SCC experience. Disabilities may include mental health (anxiety, depression, PTSD), ADHD, learning disabilities, chronic health conditions (migraine, fibromyalgia), sensory disabilities, and temporary disabilities (broken arm, surgery). Common accommodations are extended test time, private room for testing, audiobooks, and sign language interpreter.

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