



South Central College

SURG 1340 Surgical Techniques II

Common Course Outline

Course Information

Description This is the second course that will focus on surgical techniques. This course emphasizes procedures related to plastic and reconstructive, oral maxillofacial, vascular, thoracic, cardiac, and neurological surgery. Topics related to anatomy and physiology, microbiology, pathophysiology, wounds, and phases of healing. (Prerequisite: SURG 1100, SURG 1220, SURG 1240. Corequisite: SURG 1330, SURG 1450.)

Total Credits 6

Total Hours 96

Types of Instruction

Instruction Type	Credits/Hours
Lecture	6/96

Pre/Corequisites

Prerequisite SURG 1100, SURG 1220, SURG 1240

Corequisite SURG 1330, SURG 1450

Course Outcomes

1. Identify basic anatomy and physiology pertaining to plastic and reconstructive procedures.

Learning Objectives

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

2. Explain the order of steps taken during plastic and reconstructive procedures.

Learning Objectives

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

3. Identify basic microbiology and pathophysiology related to plastic and reconstructive 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 oral maxillofacial procedures.

Learning Objectives

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

5. Explain the order of steps taken during oral maxillofacial procedures.

Learning Objectives

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

6. Identify basic microbiology and pathophysiology related to oral maxillofacial procedures.

Learning Objectives

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

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

Learning Objectives

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

8. Explain the order of steps taken during vascular procedures.

Learning Objectives

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

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

Learning Objectives

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

10. Identify basic anatomy and physiology pertaining to thoracic procedures.

Learning Objectives

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

11. Explain the order of steps taken during thoracic procedures.

Learning Objectives

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

12. Identify basic microbiology and pathophysiology related to thoracic procedures.

Learning Objectives

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

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

Learning Objectives

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

14. Explain the order of steps taken during cardiac procedures.

Learning Objectives

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

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

Learning Objectives

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

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

Learning Objectives

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

17. Explain the order of steps taken during neurological procedures.

Learning Objectives

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

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

Learning Objectives

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

19. Explain plastic and reconstructive, oral maxillofacial, vascular, thoracic, cardiac, and neurological 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.

Contact us: Faribault A116 (507) 332-5847. North Mankato E112 (507) 389-7222. ds@southcentral.edu
www.southcentral.edu/disability