



Perioperative Management Syllabus

SURG-6400

3 credit hour

Surgical Skillz

502-802-7360

(info@surgicalskillstraining.com)

I. Short Description of Course

This course is designed to promote understanding in principles of preoperative/operative surgery, ultrasound for surgeons, surgical infections, choice of antibiotics, surgical problems in the immunosuppressed patient, surgical complications, surgery in the elderly, morbid obesity, anesthesiology principles, pain management, conscious sedation, minimally invasive surgery, emerging technology in surgery-informatics, electronics and robotics.

II. Reference Materials and Texts

19th Edition Sabiston Textbook of Surgery, Elsevier Saunders

III. Course Objectives and Competencies

After completing this course, the student will develop a functional knowledge of the perioperative management.

IV. Course Competencies for: Perioperative Management (SURG-6400)

The student will accomplish the following competencies upon successful completion of the course in Perioperative Management (SURG-6400). Successful completion is defined as receiving a pass or fail grade in SURG-6400. These competencies should be attainable by receiving a pass grade for each exam in SURG-6400.

1. The student will comprehend the principles of preoperative and operative surgery.
2. The student will assess how to perform an ultrasound.
3. The student will be able to distinguish between surgical infections and interpret which antibiotic is best for the treatment of the patient.
4. The student will learn to analyze surgical problems in immunosuppressed patients.
5. The student will learn how to recognize and diagnose surgical complications.
6. The student will be able to assess the surgical risks associated with the elderly and morbidly obese patients.

7. The student will comprehend the anesthesiology, pain management, and conscious sedation principles.
8. The student will learn the techniques of minimally invasive surgery.
9. The student will identify the emerging technology techniques in surgery including informatics, electronics, and robotics.

V. **Teaching Methods**

Lecture material will be conveyed by using computer on-line communications.

VI. **Student Evaluation**

A series of multiple choice and true or false answer examinations over lecture material will make up total course grade.

Attendance- this is an on-line course and the pace is set by each individual student.

Grading: Pass or Fail

VII. **Special Policies**

Special Needs

If you have special needs as addressed by the Americans with Disabilities Act and need any test or course materials provided in an alternative format, notify your instructor immediately. Reasonable efforts will be made to accommodate your special needs.

VIII. **Course Content**

SECTION 2 PERIOPERATIVE MANAGEMENT

Assignment 1 Chapter 11 "Surgical Infections Antibiotic Use"

Assignment 2 Chapter 12 "Surgical Complications"

Assignment 3 Chapter 13 "Surgery in the Geriatric Patient"

Exam 1

Assignment 4 Chapter 14 "Anesthesiology Principles, Pain Management, and Conscious Sedation"

Assignment 5 Chapter 15 "Emerging Technology in Surgery; Informatics, Robotics, Electronics"

Assignment 6 Chapter 16 "Management of Acute Trauma"

Exam 2

Assignment 7 Chapter 17 "The Difficult Abdominal Wall"

Assignment 8 Chapter 18 "Evidence-Based Surgery: Critically Assessing Surgical Literature"

SECTION 3 TRAUMA AND CRITICAL CARE

Assignment 9 Chapter 24 "Transplantation Immunobiology and Immunosuppression"

Exam 3