

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Surgical Technology</u>
COURSE RUBRIC AND NUMBER	<u>SRGT 1541</u>
COURSE TITLE	<u>Surgical Procedures I</u>
COURSE CREDIT HOURS	<u>5 4 : 4</u> Credits Lec Lab

I. Catalog Description

Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the general, obstetric/gynecologic (OB/GYN), genitourinary, otorhinolaryngology, and orthopedic surgical specialties incorporating instruments, equipment, and supplies required for safe patient care. A grade of "C" or better is required in this course to take the next course. **Prerequisites:** SRGT 1405 and SRGT 1509. **Corequisites:** SRGT 1244 and SRGT 2560. (4:4). Lab fee.

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Unit I. Introduction to Surgical Procedures
1. Utilize common prefixes, stems and suffixes related to surgical intervention.
 2. Explain the organization and general plan of the human body.
 3. Describe characteristics of benign and malignant tumors.
 4. Identify risk related factors for cancer.
 5. Define the terms used to determine the extent of the disease.
 6. Describe the tumor identification system.
 7. Discuss methods of cancer treatment.
 8. Correlate anatomy of the anterior abdominal wall to commonly used surgical incisions for access to the abdominal contents.
 9. Identify advantages and disadvantages of abdominal incisions.
- B. Unit II. General Surgery I
1. Correlate the relevant anatomy and physiology of the gastrointestinal system, biliary system, pancreas, and spleen
 2. Correlate the relevant pathophysiology of the .gastrointestinal system, biliary system, pancreas, and spleen that prompts surgical intervention
 3. Relate preoperative diagnostic procedures/tests to relevant pathology.
 4. Discuss special considerations that are unique to general surgery procedures.
 5. List the supplies, equipment and instrumentation required for general surgery procedures.
 6. Summarize surgical sequence (steps) of general surgical procedures described in the textbook.

7. Discuss the postoperative care of the patient according to the procedure.
8. List the wound classification and correlate to wound management.

C. Unit III. General Surgery II

1. Correlate the relevant anatomy and physiology of the anterior abdominal wall, breast, thyroid gland and associated structures.
2. Correlate pathophysiology of the abdominal wall, breast, and thyroid gland that prompts surgical intervention.
3. Relate preoperative diagnostic procedures/tests to relevant pathology.
4. Determine any special considerations that are unique to general surgery procedures.
5. List the supplies, equipment and instrumentation required for these procedures
6. Summarize surgical sequence of associated general surgery procedures described in the textbook.
7. Discuss the postoperative care according to the procedure.
8. List the wound classification and correlate to wound management

D. Unit IV. Obstetric and Gynecologic Surgery

1. Correlate the relevant anatomy and physiology of the female reproductive system.
2. Correlate pathophysiology of the female reproductive system that prompts surgical intervention.
3. Relate preoperative diagnostic procedures/tests to relevant pathology.
4. Determine any special considerations that are unique to obstetrical and gynecologic procedures.
5. List the supplies, equipment and instrumentation required for these procedures.
6. Summarize surgical sequence of gynecological and obstetrical surgical procedures described in the textbook.
7. List the wound classification and correlate to wound management.

E. Unit V. Genitourinary Surgery

1. Correlate the relevant anatomy and physiology of the male reproductive system and the urinary system.
2. Correlate pathophysiology of the male reproductive system and the urinary system that prompts surgical intervention.
3. Relate preoperative diagnostic procedures/tests to relevant pathology.
4. Determine any special considerations that are unique to genitourinary procedures
5. List the supplies, equipment, and instrumentation required for these procedures.
6. Summarize surgical sequence of genitourinary surgical procedures described in your textbook.
7. List the wound classification and correlate to wound management

F. Unit VI. Orthopedic Surgery

1. Correlate relevant anatomy and physiology of the musculoskeletal system.
2. Correlate pathophysiology of the musculoskeletal system that prompts surgical intervention.
3. Relate preoperative diagnostic procedures/tests to relevant pathology.
4. Determine any special considerations that are unique to orthopedic procedures.
5. List the supplies, equipment and instrumentation required for orthopedic procedures.
6. Summarize surgical sequence of orthopedic procedures described in the textbook.
7. List the wound classification and correlate to wound management

G. Unit VII Otorhinolaryngology

1. Correlate relevant anatomy and physiology of the ear, nose and throat.
2. Correlate pathophysiology of the ear, nose, and throat that prompts surgical intervention.
3. Relate preoperative diagnostic procedures/tests to relevant pathology.
4. Determine any special considerations that are unique to otorhinolaryngologic procedures.
5. List supplies, equipment, and instrumentation required for otorhinolaryngologic procedures.
6. Summarize surgical sequence of otorhinolaryngologic surgical procedures described in your textbook.
7. List the wound classification and correlate to wound management.

III. THECB Learning Outcomes (WECM)

1. Relate the specific anatomy and pathology to indications for selected surgical procedures.
2. Summarize patient preparation for selected surgical procedures.
3. Select instruments, equipment, and supplies and reconstruct the sequence for related surgical procedures.
4. Identify expected outcomes and possible complications for surgical procedures.

IV. Evaluation

A. Preassessment

The student must have completed SRGT 1405 and SRGT 1509.

B. Postassessment

1. Written examinations will be administered at the completion of each unit of instruction.
2. Quizzes may be administered during lecture periods without prior announcement.
3. Assignments will be completed in The Anatomy Coloring Book and the Study Guide /Lab Manual
4. A comprehensive final exam will be administered at the end of the course.

C. Remediation

The instructor will provide individual procedures for students needing remediation after an individual conference has been scheduled. Such procedures may include, but are not limited to, supplementary assignments, tutorial assistance, etc.

D. Grading

1. All unit exams will be weighted equally.
2. All unit exams will be averaged together and computed as 75% of the semester grade.
3. Quizzes will be averaged together and weighted as one exam.
4. Assignments in the Anatomy Coloring Book and Study Guide will be averaged together and computed as 5% of the final grade.
Distribution of Percentages
Completion of Assignment + 100%
Incomplete = 50%
No completion = 0%
5. The comprehensive final exam will be computed as 20% of the final grade.
6. Grading Scale
A = 93 - 100
B = 85 - 92
C = 77 - 84
D = 70-76
7. Grades are rounded.
8. SRGT 1541 must be completed with a "C" or above.

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. Six Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.

VII. Title IX and Sex Discrimination

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.