



SURG 246 Surgical Procedures II Section Name Section Credit Hours Credits **Syllabus**

Course Information

Meeting times and location: section meeting_times section location

Catalog description: Course is designed to prepare students for specialty surgical procedures including the review of surgical anatomy, physiology, pathophysiology, relevant equipment, supplies, and techniques regarding ophthalmic surgery, orthopedic surgery plastic and reconstructive surgery, maxillary/mandibular surgery, oral surgery, neurosurgery, cardio thoracic surgery, peripheral vascular surgery, trauma and surgery for all ages.

Prerequisites: Take SURG-229, SURG-230, SURG-233, SURG-234, SURG-235, SURG-244, SURG-245;

Terms offered: Fall and Spring

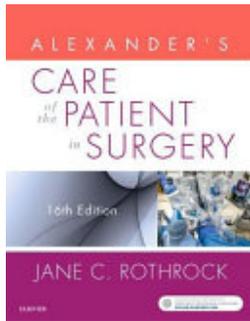
Section-specific Course Description:

Course Level Objectives

Students will be introduced to the ethics, language, technique and instrumentation in the profession of Surgical Assisting. According to the Core Curriculum, "the learner will:

1. Correlate the relevant advanced surgical anatomy to the surgical procedure.
2. Associate the relevant pathophysiology to the surgical procedure.
3. Analyze the specific patient care factors the surgical assistant should coordinate with the surgical team.
4. Discuss the intraoperative role and duties of the surgical assistant according to the procedure being performed.
5. Discuss the postoperative care of the surgical wound.

Required Texts and/or Materials



Alexander's Care of the Patient in Surgery

9780323479141

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2018-02-23

Required Technology and Software

- Canvas
- Chrome, Safari, or Firefox

Course Requirements

Students will do the following activities:

Have required textbooks and workbooks, packets, lab supplies listed under required textbooks. Complete and submit written assignments by announced due dates. Take all examinations and quizzes on the dates administered. Make up exams will be given only under certain circumstances with a reduction in the grade by 10%. Practice procedures and perform demonstrations satisfactorily. Participate in class and lab discussions and activities. Maintain proper appearance and professional dress. Maintain professional behavior. Meet specific objectives for each laboratory experience consistently. Follow safety procedures and guidelines. Participate in required Zoom meetings with Instructor every 3 weeks throughout program. Read and verify understanding of San Juan College, Surgical First Assist Student Handbook.

Other Classroom Policies and Expectations

Students are expected to conduct themselves in an ethical and professional manner at all times. All academic assignments, including papers, tests, or other assignments, are to be the work of the individual student. The following are examples of unethical or unprofessional behavior:

- Plagiarism
- Unprofessional behavior in communication with faculty and staff
- Completing an assignment for another student in part or in whole

Consequences

Any student who acts in an unethical manner will receive a failing grade. Any second academic incident or unprofessional communication with staff or faculty can result administrative termination from the Institute. Students who were withdrawn due to poor student conduct may not be reconsidered to re-enroll.

Canvas Participation Expectations

Students I will answer email and phone calls daily (Monday-Friday) but expect that in some circumstances it may take up to 24 hours to get a response. Scheduled assignments will be graded by the end of each week.

Grading

Final grades are calculated based on the following...

What does it mean to weight a grade? When grades are weighted, some assignments (e.g. Final Exam) or categories of assignments (e.g. Quizzes) count more than others. Why not just assign more points to the things that are harder? In a perfect world this would work. However, there is far more flexibility in weighting grades. If an instructor decides that quizzes should make up 25% of the total points in a course, it doesn't matter whether there is 1 quiz, 5 quizzes or, heaven forbid, 50 quizzes. The total points earned for the quizzes still makes up 25% of the final grade. If an instructor decides to increase or decrease the workload based on the particular needs of any group of students, weighted grades make that easy. In a scenario where grades are weighted by category and the number of assignments in a category changes, no changes to the course points or course guide would be necessary. If, on the other hand, the point system was used, and a change to the course assignments is needed, the total points for the class would change and the course guide would need to be updated. How are the points for a weighted item calculated? Multiply each score over the total points possible by the weight. For example, the midterm is worth 100 points. If you earned 90/100 the calculation would be $.25(90/100) = .225$. Expressed as a percent, you earned 22.5%

Grading Scale:

A = 90% or higher B = 80–89 C = 70–79 D = 60–69 F = 59 or below.

Course Time Commitment

Students should expect to spend 18-24 hours or more per week for course work of class to be successful in this program.

Canvas Participation and Expectations

Because assignments and notifications are posted in Canvas, you should check into Canvas daily Monday-Friday. Majority of communications will be through Canvas email unless otherwise specified. You will not be able to move on to the next chapter until the previous has been completed. Please link Canvas notifications to your email.

Participation and Attendance Policy

Participation in didactic and lab is an integral part of student learning. When a student misses more than three days of didactic and lab then this interferes with the student's ability to understand the material. Attendance will be documented throughout this course. On-line – Students are expected to participate regularly and submit all course assignments, based on the course guide definition. A student who does not submit any assignments during a consecutive 10% of the course (1.5 weeks of a 15-week semester) without consulting the instructor, may be considered as having abandoned the course. Logging in does not meet the attendance standard. Competency-Based Education Classes – Students are expected to have regular and substantive interactions with their instructor and to actively work on course content. A student who has not submitted coursework, nor had substantive interactions with the instructor over a consecutive 10% of the term, without the instructor's prior approval, will be considered to have abandoned the competency progression. Last date of attendance will be recorded as the last date that coursework was submitted or that the student met with the instructor. For on-line learners, logging in does not meet the attendance standard.

Failure to Meet Class Participation Expectation: Students who fail to meet participation expectations will have their last date of attendance recorded. This date will be used to recalculate any financial aid received/veteran's benefits received, and the student may be required to repay the institution/government. If the student does not drop the course, an 'X' grade will be recorded. An 'X' grade impacts the grade point average the same as an 'F'.

Instructor Response Times & Regular Interaction

Expectations

Students I will answer email and phone calls daily (Monday-Friday) but expect that in some circumstances it may take up to 24 hours to get a response. Emails are checked three times a day. Morning, Afternoon, and Evenings. Also no weekends.

If you need immediate assistance, we may not be available due to clinical schedules or other issues. You may attempt to reach us by phone or text, however, we advise you to plan ahead. Again, the maximum response time is 24 hours.

In addition, please be aware that if you send an email from CANVAS, the response may return to your SJC Student email address. Therefore, it is advised that you email us from an address that you will check. Please allow a minimum of 24 hours for a response.

Key Dates to Remember

[Full Academic Calendar](#)

Course Schedule

Assignments & Academic Calendar

Day Topic/Content SACC

Week 1 Ch. 18

Lecture Video Canvas

Read Chapter 18

Chapter 18 Ophthalmic

Chapter 18 Case study

Quiz Chapter 18 Open Thursday 1159-Close Sunday 1159

1. Identify regional anatomy of pathophysiology pertinent to Ophthalmic Surgery.
2. Review diagnostic and perioperative assessment of procedure type.
3. Discuss the surgical assistant's role and step of surgical of procedure.
4. Discuss the role of the surgical assistant in postoperative wound management.

Surgical Procedures:

Vitrectomy, Scleral Buckling, Trabeculectomy, Keratoplasty, Dacryocystorhinostomy, Enucleation.
Ophthalmic

Week 2

Ch. 20 Lecture Video Canvas

Read Chapter 20 Orthopedic Surgery

Chapter 20 Case Study

Quiz Chapter 20 Open Thursday 1159-Close Sunday 1159

5. Identify regional anatomy of pathophysiology pertinent to Orthopedic Surgery.
6. Review diagnostic and perioperative assessment of procedure type.
7. Discuss the surgical assistant's role and step of surgical of procedure.
8. Discuss the role of the surgical assistant in postoperative wound management.

Surgical Procedures:

Basic surgical techniques for Close reduction, External Fixation, Internal Fixation. Repair of Rotator cuff, Bankart, Fractures of the Humeral Shaft, Colles Fracture, Ulnar nerve transposition, Carpal Tunnel Release, Fracture of the Acetabulum, Hip Fractures, Femoral Neck Fractures with fixations, Femoral Shaft Fractures, Tibial Plateau, Repair of ACL, Tibial Shaft, Triple Arthrodesis, Total Joint Arthroplasty, Arthroscopy, Arthroscopic ACL, Lumbar Laminectomy, Anterior/ Posterior Spinal Fusion, Artificial Disk replacement, Vertebroplasty and Kyphoplasty. Orthopedic

Neurosurgery

Week 3

Ch. 21

Lecture Video Canvas

Read Chapter 21 Neurosurgery

Chapter 21 Case Study

Quiz Chapter 21 Open Thursday 1159-Close Sunday 1159

1. Identify regional anatomy of pathophysiology pertinent to Neurosurgery.

2. Review diagnostic and perioperative assessment of procedure type.
3. Discuss the surgical assistant's role and step of surgical of procedure.
4. Discuss the role of the surgical assistant in postoperative wound management.

Surgical Procedures:

Surgical Approaches to the Brain Stereotactic Procedures, Ventricular Catheter and Sunt Placement, Evacuation of Epi/Subdural Hematoma, Intracranial Aneurysm, AV Malformation, Decompression of the Trigeminal nerve, Transsphenoidal Hypophysectomy, Cranioplasty, ACDF, Posterior Cervical Decompression, Laminectomy, Rhizotomy.

Neurosurgery

Week 4

Ch. 22

Ch. 45 Principles of Surgery Lecture Video Canvas

Read Chapter 22 Reconstructive and Aesthetic Plastic Surgery

Chapter 22 Case Study

Chapter 45 Prin. Of Surgery

Quiz Chapter 22 Open Thursday 1159-Close Sunday 1159

1. Identify regional anatomy of pathophysiology pertinent to Plastic Surgery.
2. Review diagnostic and perioperative assessment of procedure type.
3. Discuss the surgical assistant's role and step of surgical of procedure.
4. Discuss the role of the surgical assistant in postoperative wound management.

Surgical Procedures:

Burn Surgery, Skin and Tissue Grafting, Reconstructive Breast Surgery (TRAM Flap, Nipple reconstruction), Toe-to-Hand transfer, Reconstructive Maxillofacial Surgery

Sex Reassignment Surgery, Rhytidectomy, Blepharoplasty, Cheiloplasty (pg. 1085-1090)

Abdominoplasty, Augmentation Mammoplasty, Mastopexy. Plastic Surgery

Week 5

Ch. 23,25

Lecture Video Canvas

Read Chapter 23 Thoracic Surgery

Read Chapter 25 Cardiac Surgery

Chapter 23 Case Study

Chapter 25 Case Study

Quiz Chapter 23/25 Open Thursday 1159-Close Sunday 1159

1. Identify regional anatomy of pathophysiology pertinent to Thoracic and Cardiac Surgery.
2. Review diagnostic and perioperative assessment of procedure type.
3. Discuss the surgical assistant's role and step of surgical of procedure.
4. Discuss the role of the surgical assistant in postoperative wound management.

Surgical Procedures:

Mediastinoscopy, Video-Assisted Thoracic Surgery, Thoracotomy, Pneumonectomy, Lobectomy, Decortication Lung Transplant, Pectus Excavatum (pg. 1012-1013)

Cardiopulmonary Bypass, (Arterial, Venous Cannulation) Pericardiectomy, MIS off-pump CABG, CABG with AV conduits, Mitral Valve, Tricuspid Valve, Aortic Valve, Aortic Aneurysm, Ventricular Assist Device, Heart and Heart-Lung Transplant, Insertion of Pacemaker. Pediatric Cardiac Procedures (pg. 1053-1065) Cardiothoracic

Week 6

Ch. 24 Lecture Video Canvas

Read Chapter 24 Vascular Surgery

Chapter 24 Case Study

Quiz Chapter 24 Open Thursday 1159-Close Sunday 1159

1. Identify regional anatomy of pathophysiology pertinent to Vascular Surgery.
2. Review diagnostic and perioperative assessment of procedure type.
3. Discuss the surgical assistant's role and step of surgical of procedure.

4. Discuss the role of the surgical assistant in postoperative wound management.
5. Discuss Arterial Insufficiency

Surgical Procedures:

Abdominal Aortic Aneurysm w/ graft, Endovascular AAA repair, Percutaneous Transluminal Angioplasty, Femoropopliteal bypass, Amputation, Carotid Endarterectomy, Arteriovenous Fistula and Shunt, Vein Excision and Stripping. Peripheral Vascular

Finals

End Surg 246

SCHEDULE IS SUBJECT TO CHANGE

Program Handbook

Student Handbook Received upon start of program

Technical Support

Technical support is available through the San Juan College Help Desk 24/7/365. The help desk can be reached at 505-566-3266 or by creating a ticket at [San Juan College Help Desk](#).

For password reset and Canvas support, visit the [Student Technology Guide](#) website.

Accessibility/Privacy Policies for all Technology Tools Used

[Accessibility/Privacy Policies for all Technology Tools Used](#)

Student Support

At San Juan College, we are committed to supporting your academic success and overall well-being. We recognize that college life can be challenging and stressful, impacting both learning and personal health. We are here to help you succeed.

Academic Support and Resources

We provide a range of academic support services to help you stay on track on your educational journey. Free resources include tutoring, computer loans, life skills workshops, and so much more. Visit the [Academic Support and Resources](#) webpage to learn more about support and resources available through Academic Advising, the Tutoring Center, the Student Resource Center (formerly Student Achievement Center) and the Testing Center.

Student Support and Resources

If you or someone you know could benefit from counseling, accessibility services, career exploration, veteran transitional assistance, or any of our other support services, visit the [Student Support and Resources](#) webpage where you'll find detailed information about various resources available to you as an SJC student.

We encourage you to take advantage of these free resources to enhance your college experience and ensure your success.

College Policies and Resources for Current Students

The [Student Handbook](#) provides information on student support, student organizations, and student conduct policies at San Juan College.

The San Juan College catalog outlines the [Academic Policies](#) students need to know.

Healthy and Safe Practices for Being on Campus

We want a healthy and safe campus for students, faculty, staff, and guests.

Contagious diseases and your responsibility:

If you have COVID-19 symptoms, fever, flu or even the common cold, you should stay home. Do not come to campus if you are feeling sick. Contact your instructor about missing class (and review your instructor's policies on missed or late work). Being sick does not necessarily excuse you from completing your work on time.

Safety on campus and your responsibility:

If you are on campus and experience or witness an emergency, call 9-1-1 first and then the Department of Public Safety at 505-566-3333 (or just 3333 if calling from a campus phone).

When you are on campus, be aware of your surroundings. If you need an escort to your vehicle, call 505-566-4444 (DPS non-emergency line) or 505-215-3091 (officer on duty line).

The College will send information for campus emergencies through SJC AlertAware, email and the webpage. Stay informed and stay safe.

Inclement Weather Information

Students will receive notification of class delays and cancellations due to inclement weather via the SJC AlertAware and SJC student email. Face-to-face classes will not meet in person; however, students are advised to check with instructors about alternative meeting options, as some may choose to meet via zoom. Hybrid classes will meet as scheduled via zoom. For questions regarding your class delay or cancelation, please contact your instructor.

Online Course Fee

Online Courses - San Juan College requires all online courses to include some form of assessment to demonstrate the mastery of course objectives. This could include exams, capstone projects, e-portfolios, presentations, final papers or other appropriate assessments. The use of a proctoring platform, plagiarism detection software or other method to ensure that assessments are completed by the enrolled student is required.

A course fee of \$5.00 is assessed for all online courses at San Juan College to cover the cost of the above services. Students who are required to take a proctored exam and choose to use a physical testing center outside the SJC Testing Center or SJC Disability Services will be responsible for the cost of using that center.