

SAN JUAN COLLEGE

SURG 234 Principles of Surgical Assisting Section Name Section Credit Hours Credits **Syllabus**

Section-specific Course Description:

Course Level Objectives

This course introduces students to the ethics, language, techniques and instrumentation in the profession of Surgical Assisting. At the end of this course, students will be able to:

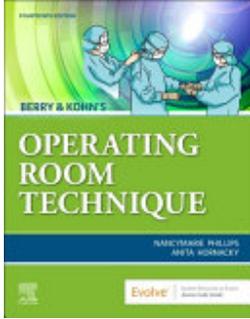
1. Correlate surgical anatomy to surgery of the various body systems.
2. Compare and contrast normal anatomy to the pathophysiology as it relates to surgical procedures.
3. Demonstrate an understanding of evaluating diagnostic images as related to surgical anatomy.
4. Apply Basic Science Component.
5. Analyze ethical and Moral responsibilities relevant to the surgical assistant.
6. Interpret legal responsibilities relevant to the surgical assistant.
7. Demonstrate listening and communication skills.
8. Apply interpersonal skills at the workplace.
9. Identify methods of stress management.
10. Evaluate preoperative methods.
11. Demonstrate and understanding of the role of the surgical assistant in preparing and evaluating preoperative check list.
12. Assess potential intraoperative instability factors.

Required Texts and/or Materials

Berry & Kohn's Operating Room Technique

9780323709149

Nancymarie Phillips, Anita Hornacky



Elsevier
2020-07-01

Required Technology and Software

- Canvas
- Chrome, Safari, or Firefox

Course Requirements

Students will do the following activities:

1. Have required textbooks and workbooks, packets, lab supplies listed under required textbooks.
2. Complete and submit written assignments by announced due dates.
3. 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%.
4. Practice procedures and perform demonstrations satisfactorily.
5. Participate in class and lab discussions and activities.
6. Maintain proper appearance and professional dress.
7. Maintain professional behavior
8. Meet specific objectives for each laboratory experience consistently.
9. Follow safety procedures and guidelines.
10. 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.

Grading

Final grades are calculated based on the following...

Here is a sample of one formatting option:

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-Sunday. Majority of communications will be through San Juan College email and/or Canvas 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

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.

The preferred method of contact for all other reasons is email. You will receive a response within 24 hours, sometimes sooner.

Emails are checked three times a day. Morning, Afternoon, and Evenings. Also, on 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 regularly check your SJC email. Please allow a minimum of 24 hours for a response.

Key Dates to Remember

[Full Academic Calendar](#)

Course Schedule

DAY Topic Outline / Content SACC

Week 1

Chapters 1-3 Section 1 Fundamentals of theory and practice

Lecture video Canvas

Read Chapters 1-3

Discussion 1 Perioperative team member positive traits

Quiz Chapter 1-3 Open Friday 1159- Close Sunday 1159

1. Discuss The art and science of surgery, application of theory to practice.
2. Review Surgical conscience, Patient rights, Legal issues, Documentation, legal aspects of drugs and medical devices ethical issues SA

Week2

Chapters

4-6 Lecture Video Canvas

Read Section 2 The Perioperative Patient Care Team

Chapters 4-6

Discussion

Quiz Chapters 4-6 Open Friday 1159- Close Sunday 1159

1. Discuss FA skills and Knowledge.
2. Understand Providing Exposure, Hemostasis, Tissue handling, Dissection.
3. Identify Surgical Hazards
4. Discuss Patient Assessment
5. Identify Credentialing of qualified caregivers, First Assistant's knowledge and skill level, job of the FA, disciplines associated with the FA in surgery.
6. Patient care departments surgical services products and equipment. SA

Week 3

Chapters

7-9 Lecture Video Canvas

Section 3 The Patient as a unique individual

Read Chapters 7-9

Discussion Chapter 8 Fluid and temperature balance

Quiz Chapters 7-9 Open Friday 1159- Close Sunday 1159

1. Discuss Patient's individual needs (comorbidity)
2. Age obesity and nutritional status

3. Identify Chemotherapy and Radiation treatment effects.
4. List several Procedures the are performed on pediatric patients (Pectus Excavatum, Coarctation of the Aorta, Patent Ductus, Tetralogy of Fallot) Hypospadias, Orchiopexy, Wilms' Tumor, Pectus Carinatum, VP shunt.
5. Discuss Perioperative assessment of a pediatric patient (Physical, Metabolism and Nutritional, Fluid and Electrolyte considerations).
6. Identify body temperature considerations, cardiopulmonary, infection risk considerations. PESP

SICA

Genitourinary

Cardiothoracic

Neurosurgery

Week 4

Chapters

10,11,13 Lecture Video Canvas

Section 4 The perioperative environment

Read Chapter 10,11,13

Discussion Chapter 13 Hazards

Quiz Chapters 10,11,13 Open Friday 1159- Close Sunday 1159

1. Classify Hazards and body mechanics.
2. Review Regulation Hazards, Environmental factors. Discuss Physical layout of OR, Special Procedure room, Ambulatory Surgery setting and alternative sites.
3. Review Environmental, Physical, Chemical, Biologic hazards and Safeguards Risk management

PSA

Week 5

Chapters 14-15 Lecture Video Canvas

Section 5 Surgical Sepsis and Sterile Technique

Read Chapters 14-15

Discussion Chapter 14

Research patient infection with antibiotic-resistant drugs.

1. Discuss types of Pathogenic Microorganisms.
2. Review Viruses and Fungi.
3. Understand antimicrobial therapy, and resistance.
4. Identify Antifungal and Antiviral Drugs.
5. Review Spaulding's levels of importance of Patient care items.
6. Discuss Sources of infection SSI SICA

Week 6

Chapter 18-19 Lecture Video Canvas

Read Chapter 19 Surgical Instrumentation

Quiz Chapter 19 Open Friday 1159- Close Sunday 1159

1. Discuss sterilization process.
2. Identify Minimum exposure time standards, and types.
3. Discuss instruments for retraction.
4. Identify the use of Staplers SSA

WH

Week 7

Chapter 20 -22 Lecture Video Canvas

Read Chapter 20-22

Chapter 20 Specialized surgical equipment

Chapter 21 Preoperative Preparation of the Patient

Chapter 22 Diagnostics specimens and oncologic Considerations

Quiz Chapter 19 Open Friday 1159- Close Sunday 1159

1. Discuss the importance of Preoperative preparation.
2. Describe the content of preoperative teaching.
3. List several preoperative assessment factors relevant to all presurgical patients.
4. Identify the key elements in a successful preoperative interview.
5. List several invasive/noninvasive diagnostic tests.
6. List several interventional procedures that incorporate diagnostics.
7. Describe several aspects of patient care associated with diagnostic testing.
8. Discuss the role of diagnostics in oncology. PPESA

Finals week

FINAL SURG 234

Program Handbook

Program handbook is provided to each student upon acceptance into the program. Each student will have signed copies kept within their personal file.

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.