



SURG 114 3rd Level of Surgical Tech Section Name Section Credit Hours Credits
Syllabus

Course Information

Meeting times and location: section meeting_times section location

Catalog description: The student will learn equipment, instrumentation, and procedures for Plastic Surgery. They will learn the names and uses of orthopedic instruments and procedures. They will also learn instruments and procedures for Peripheral Vascular Surgery. They will do lab and some practicum to compliment this course.

Terms offered: Spring Only

Section-specific Course Description:

Course Level Objectives

1. Recognize the relevant anatomy and physiology of the musculoskeletal system.
2. Summarize the pathology of the musculoskeletal system that prompts surgical intervention and the related terminology.
3. Determine any preoperative orthopedic diagnostic procedures/tests.
4. Determine any special preparation related to orthopedic procedures.
5. Indicate the names and uses of orthopedic instruments, equipment, and supplies.
6. Determine the intraoperative preparation of the patient undergoing an orthopedic procedure.
7. Summarize the surgical steps of the orthopedic procedures.
8. Interpret the purpose and expected outcomes of the orthopedic procedures.
9. Recognize the immediate postoperative care and possible complications of the orthopedic procedures
10. Recognize the relevant anatomy of cardiovascular and respiratory systems.

11. Summarize the pathology that prompts cardiac or thoracic surgical intervention and related terminology.
12. Determine any special preoperative diagnostic procedures/test for the patient undergoing cardiac or thoracic surgery.
13. Determine any preoperative preparation procedures.
14. Indicate the names and uses of cardiovascular and thoracic equipment, instruments, and supplies.
15. Summarize the surgical steps of the cardiac and thoracic procedures.
16. Interpret the purpose and expected outcomes of the cardiac and thoracic procedures.
17. Recognize the immediate postoperative care and possible complications of the cardiac and thoracic procedures.
18. Assess any specific variations related to the preoperative, intraoperative, and postoperative care of the patient undergoing a cardiac or thoracic procedure.
19. Recognize the relevant anatomy of the peripheral vascular system.
20. Summarize the pathology that prompts surgical intervention of the peripheral vascular system and related terminology.
21. Determine any special preoperative peripheral vascular diagnostic procedures.
22. Determine any special preoperative preparation procedures.
23. Indicate the names and uses of peripheral vascular instruments and supplies.
24. Indicate the names and uses of special equipment.
25. Determine the intraoperative preparations of the patient undergoing peripheral vascular procedures.
26. Summarize the surgical steps of peripheral vascular procedures.
27. Interpret the purpose and expected outcomes of peripheral vascular procedures.
28. Recognize the immediate postoperative care and possible complications of peripheral vascular procedures.
29. Assess any specific variations related to the preoperative, intraoperative, and postoperative care of the patient undergoing peripheral vascular surgery.
30. Recognize the relevant and physiology of the neurological system.
31. Summarize the pathology that prompts surgical intervention of the neurological system and the related terminology.
32. Determine any special preoperative neurological diagnostic procedures/tests/
33. Indicate the names and uses of neurosurgical instruments, supplies and drugs.
34. Indicate the names uses of special equipment related to neurosurgery/

35. Determine the intraoperative preparation of the patient undergoing a neurosurgical procedure.
36. Summarize the surgical steps of the neurosurgical procedures.
37. Interpret the purpose and expected outcomes of the neurosurgical procedures

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.

Other Classroom Policies and Expectations

Please leave cell phones and other electronic devices in your bag/backpack during class. If you are expecting an important phone call, please step out of the classroom to handle that.

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.

To determine final grades use the calculations above along with the table below...

Category

Weight

Quizzes, exams	70
Homework, lab	20
Attendance	10
Total	100%

Course Time Commitment

Students should expect to spend 12-18 or 18-24 (online students) hours per week for course work outside 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.

Participation and Attendance Policy

- Attendance to 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 thoroughly and if a student has an unexcused absence then this could adversely affect the grade for the course.
- Tardy attendance is disruptive not only to the instructor, but to peers. Please be ready to begin class at the designated time.

Attendance-Theory:

1 Unexcused Absence-----Counseling

2 Unexcused Absences-----Verbal Warning

3 Unexcused Absences-----Written Warning

After 3 Unexcused Absences Student Will Be Dropped From Course

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. Scheduled assignments will be graded by the end of each week

Key Dates to Remember

[Full Academic Calendar](#)

Course Schedule

CLASS: 0830-1230 Monday-Thursday
LAB: 0800-1230 (as assigned) Monday-Thursday
Testing 1000-1200 Friday (or as scheduled)
Observation To be scheduled

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.