

## **SURG-229 PERIOPERATIVE MICROBIOLOGY**

4 CREDITS

### **SYLLABUS**

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#### **CATALOG DESCRIPTION**

Perioperative Microbiology students will learn the fundamental concepts in microbiology and infection, with emphasis on examination of general and consolidates microbial classification as well as the correlations between indigenous microflora and body systems. A progression of information including introduction to the science of microbiology and laboratory, classifications of microbes into eukaryotes, prokaryotes, viruses, parasites, Gram- positive cocci and bacilli, microbial growth and viability; genetics and mutations, disease transmission, control of microbial growth, and emerging, reappearing, and recurring diseases.

Prerequisites: Admission to the Surgical First Assistant Program Consent required

Semester Offered: Fall / Spring Semester

#### ***COMMON STUDENT LEARNING OUTCOMES***

*Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...*

##### **BROAD AND SPECIALIZED LEARNING**

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

##### **CRITICAL THINKING**

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

##### **CULTURAL AND CIVIC ENGAGEMENT**

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

##### **EFFECTIVE COMMUNICATION**

Students will exchange ideas and information with clarity in multiple contexts.

##### **INFORMATION LITERACY**

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

##### **INTEGRATING TECHNOLOGIES**

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

#### **COURSE LEARNING OUTCOMES**

*Upon successful completion of the course, the student will be able to:*

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 during lab and practicum.
7. Maintain professional behavior
8. Meet specific objectives for each laboratory experience consistently.
9. Follow safety procedures and guidelines.
10. Read and verify understanding of San Juan College, Surgical Technology Student Handbook.