

SURG-246 SURGICAL PROCEDURES II

4 CREDITS

SYLLABUS

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: SURG 229, SURG 230, SURG 233, SURG 234, SURG235, SURG 244, SURG 245(I)

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. Describe the risk factors associated with ophthalmic surgery

2. Identify the main parts of the skeletal system including the bones, muscles, ligaments, tendons, cartilage, and joints
3. Describe physiologic conditions with the surgical interventions that treat them
4. Distinguish between structures and functions of the central nervous system (CNS) from the peripheral nervous system (PNS)
5. Contrast the unique characteristics of the cranium, with regard to form and function, in the neonatal period and adulthood
6. Describe the surgical anatomy and physiology associated with the integumentary system
7. Identify surgical anatomy with physiological conditions of the vascular system
8. Identify relevant anatomy in congenital malformations that require surgical intervention on pediatric patients