

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: SUR 250 **Credits:** 2

Course Title: Surgical Pharmacology

Course Description:

Introduces pharmacology as it relates to surgical intervention in the operating room. Includes medication calculations, measurements, administration, terminology and handling and a review of certain drug classifications as they relate to surgical patients. Lecture 2 hours per week. 2 Credits

General Course Purpose:

Course Prerequisites and Co-requisites:

Prerequisites: SUR 140, SUR 145, BIO 142. Corequisite: SUR 240.

Student Learning Outcomes:

Upon completing the course, the student will be able to

- Calculate medication conversions and dosages
- Apply general terminology to medication use
- Prepare and manage medications and solutions
- Analyze the principles of anesthesia administration
- Use medications in the care of the surgical patient
- Discuss antibiotics, diagnostic agent, diuretics, hormones, medications that affect coagulation, ophthalmic agents, fluids and irrigation, solutions, antineoplastic chemotherapy agent, preoperative medications, patient monitoring, local and regional anesthesia, general anesthesia, and emergency situations
- Discuss medication labeling

Major Topics to Be Included:

Drug classifications, sources

Effective Date/Updated August 1, 2023