



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Surgical Pharmacology  
**Course Number:** SUR104

### Required Materials

**Textbook(s):**

- Association of Surgical Technologists, Inc. (2024). *Surgical technology for the surgical technologist* (6th ed.). Cengage Learning.
- Howe, T., & Burton, A. (2021). *Pharmacology for the surgical technologist* (6th ed.). Elsevier.

**Required Readings:** See weekly calendar below

**Additional Materials:** Course material which can be purchased in the campus bookstore.

- Association of Surgical Technologists, Inc. (2024). *Study guide to accompany Surgical technology for the surgical technologist* (6th ed.). Cengage Learning.  
 (For lab skills/Check off sheets)

### Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
Week 1	Chapter 1 – Basic Pharmacology (Elsevier book)
Week 2	Chapter 2 – Medication Development, Regulations, and Resources (Elsevier book)
Week 3	Chapter 3 – Pharmacology Mathematics (Elsevier book) Math packet-See handout Correctly Identify a Medication Dose (Study Guide Book 9-5, Syringe Quiz 9-2- see handout)
Week 4	Chapter 4 – Medication Administration (Elsevier book) Medication Skills (Surgical Technology Book 9-2, 9-3, 9-4, 9-5) Basic Handwashing (Surgical Technology Book 7-2)
Week 5	Chapter 5 – Antibiotics (Elsevier book)
Week 6	Chapter 6 – Diagnostic Agents (Elsevier book)
Week 7	Chapter 7 – Diuretics (Elsevier book) Chapter 8 – Hormones (Elsevier book)
Week 8	Chapter 9 – Medications That Affect Coagulation (Elsevier book)

<b>Week</b>	<b>Chapter/Topic/Lab</b>
	Hemostatics Skill (Study Guide Book 9-6)
Week 9	Chapter 10 – Ophthalmic Agents (Elsevier book) Chapter 11 – Fluids and Irrigation Solutions (Elsevier book)
Week 10	Chapter 11 – Fluids and Irrigation Solutions (Elsevier book) Vital Sign Skills (Study Guide Book 12-11)
Week 11	Chapter 12 – Preoperative Medications (Elsevier book) Chapter 13 – Patient Monitoring and Local and Regional Anesthesia (Elsevier book)
Week 12	Chapter 14 – General Anesthesia (Elsevier book) Chapter 15 – Emergency Situations (Elsevier book) Medication Skills practice Cricoid Pressure skills (Study Guide Book 9-1)
Week 13	Medication Skills check off Pediatric dosages (Quiz- see handout)
Week 14	Medication Skills check off Pediatric dosages continued
Week 15	Medication Skills check off Pediatric dosages continued
Week 16	Final Exam