



# Wayne County Community College District

## COURSE SYLLABUS

### SFA 210 Advanced Surgical Pharmacy

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**CREDIT HOURS:** 3.00

**CONTACT HOURS:** 45.00

**COURSE DESCRIPTION:**

This course is a continuation of Surgical Pharmacology (SUR 140) and teaches what medications the surgical first assistant will most frequently use in surgical and anesthetic procedures. The course will examine anesthesia as a complex and specialized area of pharmacology. Another focus will be on local and general anesthetics, neuromuscular blocking agents, analgesics, antibiotics, drugs that affect blood coagulation, and drugs used to manage circulatory disorders. Safe handling of anti-neoplastic drugs will also be taught.

**PREREQUISITES:**

SFA 200, SFA 253, SFA 220

**EXPECTED COMPETENCIES:**

Upon completion of this course, the student will be familiar with:

**ASSESSMENT METHODS:**

The student will display a comprehension knowledge required of a surgical first assistant in the job setting by accurately completing all course assignments and passing written examinations with a grade of **B** or better in the following areas:

1. Knowledge of the application of the generic and brand names of common surgical drugs and their categories.
2. Define the purposes, action, administration, routes, and proper handling of surgical drugs for the purpose of providing safe and proper patient care.
3. Demonstrate accurate knowledge in the application and use of drug in the following areas of pharmacology:
  - Antibiotics
  - Diagnostic Agents
  - Diuretics
  - Gastric Drugs
  - Hormones
  - Drugs That Affect Coagulation
  - Ophthalmic Agents
  - Anesthesia: Preoperative Medications
  - Intra-operative Anesthesia
  - Blood & Fluid Replacement
  - Anesthesia Complications
  - Anti-neoplastic Drugs

4. Know the implications of basic Patho-physiology in the drug administration.
5. Know the preoperative care of the patient for specific surgical diseases.
6. Know the intra-operative and post-operative care of specific surgical diseases.
7. Discuss students' hospital clinical experiences with other students related to these specialties, thus integrating new theory with past learning experiences.

**GRADING SCALE:**

90%-100% = A

80%-89.9%= B

70%-79.9%= C

60%-69.9%= D

<60% = E