

# **NORTHWEST ARKANSAS COMMUNITY COLLEGE**

(Division of Health Professions)

## **DISCIPLINE CODE**

NURS

## **COURSE NUMBER**

9313

## **COURSE TITLE**

Pharmacological Basics of Nursing

## **CATALOG DESCRIPTION**

This course is designed to provide students with the basic knowledge to safely administer drugs to clients of all ages. Content includes medication action, use, adverse effects, nursing implications, and client education for drugs affecting the body systems and defense processes.

## **PREREQUISITES**

BIOL 2214, BIOL 2224

## **CREDIT HOURS**

3 credit hours

## **CONTACT HOURS**

45 lecture contact hours

## **LOAD HOURS**

3 load hours

## **SEMESTERS OFFERED**

Fall, Spring and Summer

## **ACTS EQUIVALENT**

BIOL 2404 Human Anatomy and Physiology I

## **GRADE MODE**

A-F

## **LEARNING OUTCOMES**

At the completion of this course the student will develop the knowledge, skills, and attitudes necessary to improve the quality and safety for the following competencies of care.

- 1) Students completing this co Patient-Centered Care
  - Pharmacologic management of pain
  - Cultural implications of drug therapy
  - Lifespan considerations of drug therapy for the elderly client

- Lifespan considerations of drug therapy for the pediatric client
- 2) Teamwork and Collaboration
  - Working collaboratively with other disciplines
- 3) Evidence-Based Practiced (EBP)
  - Trends in new drug development and testing
  - JNC Guidelines for management of hypertension
  - NCEP ATP Guidelines for management of hyperlipidemia
  - ACC/AHA Guidelines for management of angina
  - Use of beta blockers in heart failure
  - Use of spironolactone in heart failure
  - Use of COX-2 selective inhibitors
  - HRT
- 4) Quality Improvement (QI)
  - Reporting of medication errors
  - Concept of Just Culture
- 5) Safety
  - Six client rights of medication administration
  - Factors influencing safe medication administration
  - High-risk clients for medication adverse effects
  - Polypharmacy
  - IOM report regarding medication errors
  - Drug-drug and drug-food interactions
  - Diagnostic study results and their relationship to safe medication administration
  - Use of infant cough and cold medications
- 6) Informatics
  - Resources available to obtain medication information

## **GENERAL EDUCATION OUTCOMES SUPPORTED**

- Students develop higher order thinking skills.
- Students can employ a variety of sources to locate, evaluate, and use Information.

## **STANDARD PRACTICES**

### **Topics list**

Medications for:

- Integumentary System
- Muscular System
- Central Nervous System
- Peripheral Nervous System
- Autonomic System
- Sensory Function
- Endocrine System
- Obstetrics
- Mental Health
- Pediatrics
- Medical Surgical
- Renal
- Fluid and Electrolytes
- Critical care

- Healthcare emergencies

## **LEARNING ACTIVITIES**

- Courses cover the core learning outcomes for each topic.  
Concept Maps are utilized for learning medications.

## **ASSESSMENTS**

The final is a departmental comprehensive exam. Results of the departmental finals will be submitted to the coordinator as part of course outcome assessment. The test will cover a select number of the core learning outcomes.

## **GRADING GUIDELINES**

All exams and assignments will be administered online through Canvas. To gain credit for any designated assignment, the student must upload completed work by the posted deadlines. Failure to complete assignments on time will result in a zero.

Exams are graded and a total of 75% on all exams must be obtained prior to any assignments being added.