Course Information

Division: Nursing
Course Number: NUR 219
Title: Pharmacology for Nursing
Credits: 3
Developed by: Carolyn McCormies
Lecture/Lab Ratio: 3 Lecture/0 Lab
Transfer Status: ASU NAU UA
Elective Credit Elective Credit Non Transferable
Activity Course: No
CIP Code: 51.3801
Assessment Mode: Pre/Post Test (100 Questions/100 Points)
Semester Taught: Fall and Spring
GE Category: None
Separate Lab: No
Awareness Course: No
Intensive Writing Course: No

Prerequisites
BIO 201 and CHM 130 or higher (CHM 138 preferred) with a grade of “C” or higher

Educational Value
TO GENERAL EDUCATION: Apply concepts learned in GE.
TO MAJOR / PROGRAM: This is a required course for AAS Nursing.
TO OTHER COURSES OR CURRICULA: This course is to be taken prior to or concurrently with NUR 120.

Description
This course presents the foundation of pharmacology taught in the nursing process format. It offers drug information in the group classification format and includes drug indications, actions, contraindications, side effects, implications for administration, and related patient/family teaching. It integrates anatomy and physiology, basic pathophysiology, microbiology, and drug administration concepts.

Supplies
None
Competencies and Performance Standards

1. Demonstrate application of pharmacologic principles and related concepts in the context of clinical case studies.

Learning objectives
What you will learn as you master the competency:

- Principles of pharmacology, history, sources, drug names, classification.
- Regulation, control, and legal aspects of drug administration, dosage forms.
- Pharmacokinetics and pharmacodynamics of drugs; drug monitoring.
- Drug reactions and interactions.
- Drug administration, types of drug orders.
- Integration of anatomy and physiology, microbiology, laboratory monitoring into each drug classification category.
- Basic pathophysiology of diseases and purpose of drug therapy discussed.
- Nursing process and ability to work up a medication sheet and care-related drug education.
- Identification of drug effectiveness.
- Common drug names for each classification.
- Each drug classification:
  1. Indication of use.
  2. Specific site of action/mode of action.
  3. Precautions/contraindications.
  4. Side effects.
- Implications: client assessment and teaching, lab monitoring, and evaluation.

Performance Standards
Competence will be demonstrated:

- in the completion of class assignments and activities

Criteria - Performance will be satisfactory when:
- learner participates in class discussions and activities
- learner provides acceptable verbal responses to questions about principles of drug action
- learner completes assigned critical thinking questions as homework

2. Utilize appropriate drug-related information sources.

Learning objectives
What you will learn as you master the competency:

- Research drugs in pharmacologic text.
- Use laboratory and diagnostic testing references as necessary for specific drug therapies.

Performance Standards
Competence will be demonstrated:

- in the completion of class assignments and activities

Criteria - Performance will be satisfactory when:
- learner participates in class discussions and activities
learner provides acceptable verbal responses to questions about principles of drug action
learner completes assigned critical thinking questions as homework

3. Address patient/family concerns related to drug therapy.

Learning objectives
What you will learn as you master the competency:

Discuss special consideration related to gerontology, over-the-counter drugs, culture, and psychological aspects of therapy.
Identify patient/family teaching needed for each drug classification.

Performance Standards
Competence will be demonstrated:
in the completion of class assignments and activities

Criteria - Performance will be satisfactory when:
learner participates in class discussions and activities
learner provides acceptable verbal responses to questions about principles of drug action
learner completes assigned critical thinking questions as homework

Types of Instruction
Classroom Presentation & Demonstration.
Completion of assignments, online audio lectures and learning activities for both on-line and traditional classroom courses.

Grading Information
Grading Rationale
Methods of Evaluation:
a. Homework, quizzes and/or written assignments totaling 400 points for the lecture portion of the class will be given.

b. A pre-test/post-test will be given and the post-test will count toward the course points.

c. Five examinations and a final (the post-test) will be given.

d. Class is graded on a total point scale. Each exam including the post-test (final) is worth 100 points. Quizzes and assignments are worth 400 points. Total point value will be 1,000 points. The final examination is worth 10% of the final grade.

Grading Scale
A 90-100% of total point value (900 – 1000 points).
B 80-89.99% of total point value (800 – 899 points).
C 70-79.99% of total point value (700 – 799 points).
D 60-69.99% of total point value (600 – 699 points).
F 0-59.99% of total point value (0 – 599 points).

A grade of “B” or higher is needed for entry or continuation in the nursing program.