

# HNR 106 - PHARMACOLOGY I

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## Course Description

Students learn an overview of pharmacology with emphasis on clinical applications within the context of the nursing process. The course explores pharmacological principles, including indications, modes of action, side effects, contraindications and medical calculations for the safe administration of medications. Specific nursing judgment and collaborative responsibilities for drug administration are emphasized. Legal statutes and standards regulating drug administration within the scope of nursing professional identity are presented. Individualized patient variables across the lifespan will also be a focus of study. Group 2 course.

## Credit Hours

1

## Contact Hours

1

## Lecture Hours

1

## Required Prerequisites

Admission to the nursing program, BIO 228 with grade of 2.5 or better, may be taken concurrently.

## Corequisites

HNR 101, HNR 102

## General Education Outcomes supported by this course

Quantitative Reasoning

## Course Learning Outcomes

### Knowledge:

- Describes the concepts of administration, pharmacodynamics, pharmacokinetics and therapeutics.
- Identifies variables of age and genetics in pharmacological effects.
- Explains the regulatory and naming conventions of the field of pharmacology.

### Application:

- Uses dimensional analysis to solve medical dosage calculations.

### Integration:

- Relates the role of nursing to the safe administration of pharmacological interventions.

### Human Dimension:

- Recognizes the importance of pharmacological principles in their work with patients.

### Caring - Civic Learning:

- Recognizes the importance of accurate medical calculations in the safe administration of medications.

### Learning How to Learn:

- Applies course content toward a framework of standardized comprehensive testing.