



Course Description

NUR4146 | Pharmacology for Nursing | 3.00 credits

This course is designed for the RN—BSN student and builds on the prior knowledge of entry-level registered nurses. Its focus is on the pharmacological treatment of various illnesses in diverse individuals across the lifespan. The emphasis is on the principles of pharmacokinetics, pharmacodynamics, and pharmacogenetics in the safe treatment of selected illnesses.

Course Competencies:

Competency 1: The student will demonstrate knowledge of the general principles of pharmacotherapeutics, pharmacokinetics, pharmacodynamics, and pharmacogenetics/ genomics in wellness promotion and illness prevention by:

1. Interpreting what causes varied responses in medication therapy in diverse populations (AACN 5.1f, AACN 9.6a, AACN 10.1c) (QSEN, PCT) (ANA 1,2)
2. Drawing a concept map that shows the factors that affect pharmacotherapeutics, pharmacokinetics, pharmacodynamics, and pharmacogenetics/genomics in treating various illnesses (AACN 2.2i) (QSEN, PCT) (ANA 1,2)

Competency 2: The student will apply knowledge of legal and ethical considerations of safe medication administration by:

1. Explaining how the nursing code of ethics affects medication administration (AACN 5.1a, AACN 9.6c) (QSEN Safety) (ANA 1,2,12)
2. Writing recommendations to reduce medication errors (AACN 5.1f) (QSEN Safety, EBP, Quality) (ANA 4,7)

Competency 3: The student will evaluate safe principles of medication administration by:

1. Assessing safety measures within an EHR system (AACN 5.1b, AACN 5.1f, AACN 5.1j) (QSEN Safety, Quality, Informatics) (ANA 1,2)
2. Examining safety measures used by nurses when administering medications (AACN 5.1a, AACN 5.1b, AACN 5.1f, AACN 10.1d) (QSEN Safety, EBP, Quality) (ANA 2,4,7)

Competency 4: The student will evaluate various technologies and systems used for medication administration by:

1. Identifying a specific hospital and assessing the hospital's technologies and systems used for medication administration (AACN 5.1f) (QSEN Safety, Quality, Informatics) (ANA 1,2)
2. Examining hospital's safe use of technologies and systems used for medication administration (AACN 5.1f, AACN 5.1j, AACN 10.1d) (QSEN Safety, Quality, Informatics) (ANA 2,4,7)

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Demonstrate an appreciation for aesthetics and creative activities
- Describe how natural systems function and recognize the impact of humans on the environment