



Course Description

NUR1141 | Nursing Math and Pharmacology | 3.00 credits

Students will learn about medications and their effects on different body systems. The conceptual and mathematical operations necessary for safe and effective administration of intravenous medications, preparing medications that come in powdered form and adjusting medication administration based on medical protocols are discussed. Concepts of medications including history, nomenclature, sources of drug information, federal drug laws and standards, medication classifications, pharmacokinetics, pharmacodynamics, variables affecting medication actions and effects, and methods of delivery will be addressed. Prerequisite: Program Admission; Corequisites: NUR1025, NUR1025C, NUR1025L and NUR1060C

Course Competencies:

Competency 1: Apply the nursing process to clinical decision-making by providing safe care based on respect for patient's preferences, values, and needs

Competency 2: Implement ethical, legal, and professional standards in the provision of nursing care to adult and older clients experiencing common health alterations

Competency 3: Apply knowledge of pathophysiology, pharmacology, nutrition, and established evidence-based practices when delivering care to adult and older adult clients experiencing common health alterations

Competency 4: Plan education regarding health and safety to clients, considering individual client needs

Competency 5: Demonstrate verbal and nonverbal communication skills that promote caring, therapeutic relationships with patients and families, as well as professional relationships with members of the healthcare team

Competency 6: Manage the care of patients, families, groups, communities, and populations while providing a safe environment and supporting continuous quality improvement initiatives for the delivery of optimal health care