

NURS 129- Pathophysiology and Pharmacology in Nursing

Course Description

NURS 129: Pathophysiology and Pharmacology in Nursing Introduces pharmacodynamics, pharmacokinetics, and pharmacotherapeutics of various classifications of medications as they relate to basic pathophysiology seen each body system. Emphasis is on the nursing implications and patient education required for safe administration of each class. Students explore the role and responsibility of the registered nurse in administering and evaluating medications. Some content in the course will be covered in an online format. **PREREQUISITE(S): NURS 113, NURS 114, NURS 121. PRE-or OREQUISITE(S):** *A grade of C or better in mathematics foundation, PSYC 100 and BIOL 212 or consent of the program coordinator. Minimum of two hours each week.*

2 semester hours

Course Outcomes

Upon completion of this course, a student will be able to:

1. Apply knowledge of evidence-based practices to enhance understanding of disease processes and other health related conditions.
2. Recognize legal and ethical issues pertaining to the medication delivery process in healthcare practice.
3. Utilize the nursing practice for decision making in the care of patients with altered health states.
4. Demonstrates knowledge of healthcare technological resources to support understanding of disease processes, pharmacokinetics, and pharmacodynamics.
5. Discuss pharmacokinetics, pharmacodynamics, and the pharmacotherapeutics of medications within each pharmacological category.

Program Outcomes

1. Maintain legal, ethical, evidence-based, and professional standards of nursing
2. Utilize clinical reasoning in practice
3. Practice patient-centered care
4. Demonstrate teamwork and collaboration
5. Effectively use current technology and informatics
6. Ensure a safe environment for patient, self, and others

Process for Determining Grade

Examinations	Points
Quiz # 1	20
Quiz # 2	20
Quiz # 3	20
Quiz # 4	20
Quiz # 5	20
Final Examination	80
Total points possible	180
Total points needed for 75%	135

Assignments	Points
ATI Pharmacology Made Easy 4.0	4
Active Learning Templates (ALTs)	18
Pre-Exam Assessments	6
Total points possible	28
Total points needed for 75%	21