

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: NUR 204 Class/Lect. Hours: 45 Lab/ Clinical Hours: n/a Credits: 3 Dept.: Nursing
Course Title: Pharmacology Semester: Spring Year: Updated 2022

Course Description, Prerequisite, Corequisite:

NUR-204 provides the student with a foundation for the application of pharmacology and drug administration in nursing. Drugs will be presented by classification, groups and prototypes. The focus of this course is to emphasize the principles of drug action, including pharmacokinetics and pharmacodynamics, and nursing considerations for each prototype. Upon completion of this course the student will demonstrate an understanding of pharmacology in nursing as it relates to the care of patients experiencing common acute and chronic physiological and psychosocial alterations.

Prerequisites: NUR-101, NUR-124, BIO-231, ENG-101, PSY-101(The College has renumbered and relabeled all courses. Consult with the Registrar's Office for questions regarding prior course numbers.)

Co-Requisites: NUR-121, BIO-232, PSY-210

Course –Program Outcomes/Competencies

Course Outcomes: At the completion of NUR 101, the student will demonstrate Nursing Knowledge by achieving the following nursing competencies:

1. The student will be able to describe accurately the nursing implications of pharmacokinetics and pharmacodynamics, including variances in culture, race, and lifespan stage for each of the prototype/groups of drugs presented.. (**Patient-Centered Care**).
2. The student will recognize signs and symptoms, and be able to describe standard interventions necessary (including antidotes) for the patient experiencing various toxic effects or overdoses of medications. (**Professionalism**).
3. The student will demonstrate understanding of the roles of various healthcare team members in providing medication therapy to patients. (**Leadership**).
4. The student will be able to analyze various professional practice and systems-based mechanisms to prevent medication errors. (**System Based Practice**).
5. The student will be able to assess and state what to report to the prescriber regarding physiological and/or psychological expected effects, side effects, and adverse effects for each of the drug groups discussed. (**Teamwork & Collaboration**).
6. The student will describe appropriate teaching for patients/significant others regarding medication administration, expected effects, side effects and adverse effects necessitating notification of the prescriber. (**Communication**).
7. The student will be able to identify contraindications, and pertinent drug-drug and drug-food interactions for each prototype/group of drugs discussed. (**Safety**).
8. The student will be able to describe the mechanism of action, expected therapeutic effects, and indications for the medication(s) used in patients with various medical conditions. (**Evidence Based Practice**).

Note: The CSLOs are listed above with the correlating leveled semester student learning outcomes (LSSLOs) in parenthesis.