COLLEGEWIDE COURSE OUTLINE OF RECORD

NRSG 106, PHARMACOLOGY FOR NURSING

COURSE TITLE: Pharmacology for Nursing  
COURSE NUMBER: NRSG 106  
PREREQUISITE: Admission to a nursing program or Program Chair approval  
SCHOOL: Nursing  
PROGRAM: Nursing  
CREDIT HOURS: 3  
CONTACT HOURS: Lecture: 3  
DATE OF LAST REVISION: Fall, 2018  
EFFECTIVE DATE OF THIS REVISION: Fall, 2019

CATALOG DESCRIPTION: Examines principles of pharmacotherapeutic, pharmacodynamic, and pharmacokinetic properties of commonly prescribed drugs in each of the major drug classifications. Applies the nursing process to pharmacologic aspects of patient care. Examines national standards for safety in pharmacologic therapy. Presents dosage calculations.

MAJOR COURSE LEARNING OBJECTIVES: Upon successful completion of this course, the student will be expected to:

1. Compare and contrast the roles of the licensed practical nurse and the registered nurse in managing the pharmacologic aspects of patient care including professional responsibility and accountability when administering pharmacologic agents. (SLO 1 & 7)
2. Discuss legal and ethical implications of administering pharmaceutical agents to patients. (SLO 1 & 7)
3. Identify processes used to understand causes of error and prevention of error in drug administration. (SLO 1 & 6)
4. Describe the pharmacotherapeutic properties and pharmacokinetics of prototype drugs for each of the major drug classifications, including routes of administration, absorption, distribution, metabolism, and excretion. (SLO 2 & 4)
5. Describe the pharmacodynamics of prototype drugs for each of the major drug classifications, including action, adverse effects, and interactions. (SLO 2 & 4)
6. Apply the nursing process to individual care of the patient receiving pharmacologic agents. (SLO 2 & 4)
7. Demonstrate ability to calculate and identify safe, appropriate medication dosages. (SLO 1, 2 & 4)
8. Identify appropriate resources for current pharmacologic information. (SLO 5)
9. Describe current best practice standards related to pharmacologic therapy. (SLO 4 & 7)
10. Identify unique needs of individual patients based on culture, ethnicity, gender, and age with regard to medication administration. (SLO 6)
11. Identify data storage and documentation requirements related to medication administration. (SLO 7)
COURSE CONTENT: Topical areas of study include –

- Basic pharmacologic concepts
- Laws pertaining to pharmaceuticals
- Application of the nursing process to pharmacologic therapy
- Factors influencing pharmacologic therapy, including physiologic functioning, age, culture, and race.
- Professional responsibility and accountability for medication administration: role of the LPN and RN
- Patient safety
- Nurse safety
- Documentation
- Dosage calculation
- Analyzing safety and appropriateness of medication orders
- Introduction to common pharmacologic properties of major drug classifications
- Patient teaching related to pharmacologic therapy
- Drugs acting on: cellular regulation, urinary elimination, gastrointestinal disorders, metabolism, fluids, electrolytes and acid base balance, tissue integrity, mobility, sensory perception, intracranial regulation, reproduction, perfusion, airway maintenance

ELIGIBILITY TO TAKE THE NURSE AIDE COMPETENCY EVALUATION (CNA) OR MEDICATION AIDE (QMA) FINAL EXAMINATION

Ivy Tech Community College administers Nurse Aide Competency Evaluation and Medication Aide Final Examination for qualified candidates in compliance with Indiana State Department of Health regulations.

If you are currently enrolled in the nursing program and have successfully completed NRSG 100 Fundamentals of Nursing and NRSG 115 Nursing Lab with a “C”, you may be eligible for the CNA evaluation. Students currently enrolled in the nursing program and have successfully completed NRSG 106 Pharmacology for Nursing with a “C” or higher may eligible to take the QMA final examination.

- For the CNA exam: NRSG 100 Fundamentals of Nursing & NRSG 115 Nursing Lab
- For the QMA exam: NRSG 106 Pharmacology of Nursing

If you have any questions, or need more information, please contact Ivy Tech Community College at (317) 917-5948 or cna_qma_testing@lists.ivytech.edu or visit the following websites for additional information: http://www.ivytech.edu/cna/ or http://www.ivytech.edu/qma/

HOW TO ACCESS THE IVY TECH COMMUNITY COLLEGE LIBRARY:
The Ivy Tech Library is available to students’ on- and off-campus, offering full text journals and books and other resources essential for course assignments. Go to http://www.ivytech.edu/library/ and choose the link for your campus.

ACADEMIC HONESTY STATEMENT:

The College is committed to academic integrity in all its practices. The faculty value intellectual integrity and a high standard of academic conduct. Activities that violate academic integrity undermine the quality and diminish the value of educational achievement.

Cheating on papers, tests or other academic works is a violation of College rules. No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as the acquisition without permission of tests or other academic materials and/or distribution of these materials and other academic work. This includes students who aid and abet as well as those who attempt such behavior.

ATTENDANCE:

Students are expected to attend and participate regularly in class meetings, online learning activities and other activities assigned as a part of a course of instruction. Faculty are required to report student participation in compliance with institutional policies and federal financial aid guidelines. Faculty and staff shall be sensitive to students’ religious beliefs and observances, including an expectation that instructors make reasonable arrangements when a student must miss an exam or other academic exercise due to their religious observance. When notified in advance, and when possible, faculty will make allowances for students to make up missed work.

COPYRIGHT STATEMENT:

Students shall adhere to the laws governing the use of copyrighted materials. They must insure that their activities comply with fair use and in no way infringe on the copyright or other proprietary rights of others and that the materials used and developed at Ivy Tech Community College contain nothing unlawful, unethical, or libelous and do not constitute any violation of any right of privacy.

ADA STATEMENT:

Ivy Tech Community College seeks to provide reasonable accommodations for qualified individuals with documented disabilities. If you need an accommodation because of a documented disability, please contact the Office of Disability Support Services.

If you will require assistance during an emergency evacuation, notify your instructor immediately. Look for evacuation procedures posted in your classroom.

TITLE IX STATEMENT:
Ivy Tech Community College is committed to providing all members of the College community with a learning and work environment free from sexual harassment and assault. Ivy Tech students have options for getting help if they have experienced sexual assault, relationship violence, sexual harassment or stalking. This information can be found at https://www.ivytech.edu/prevent-sexual-violence/index.html.

If students write or speak about having survived sexual violence, including rape, sexual assault, dating violence, domestic violence, or stalking, federal law and Ivy Tech policies require that instructors share this information with the Campus Title IX Coordinator. The Campus Title IX Coordinator will contact students to let them know about accommodations and support services at the College and in the community as well as options for holding accountable the person who harmed them. When contacted, students are not required to speak with the Campus Title IX Coordinator.

If students do not want the Title IX Coordinator notified, instead of disclosing this information to their instructor, students can speak confidentially with certain individuals at the College or in the community. A list of these individuals can be found at https://www.ivytech.edu/prevent-sexual-violence/index.html under Confidential Employees and/or Community Resources.