

ARIZONA WESTERN COLLEGE
SYLLABUS

NUR 117 PHARMACOLOGY WITH CLINICAL CALCULATIONS

Credit Hours: 2 Lec 2

PREREQUISITE: Admission to Nursing Program

COURSE DESCRIPTION

Introduction to the concepts of calculations for medication administration and pharmacotherapeutics. Establishes a knowledge base that allows the learner to apply these concepts to patient care and education. Integrated within this course are the core competencies of patient-centered care, teamwork and collaboration, evidence-based practice (EBP), quality improvement (QI), safety, informatics, and professionalism.

1. COURSE GOAL

Provide the student with an understanding of clinical calculations and pharmacotherapeutics in order to safely implement pharmacologic nursing interventions.

2. OUTCOMES

Upon satisfactory completion of this course, students will be able to:

- 2.1 identify the interrelationships between selected specific disease pathophysiology, pharmacology, diagnostic tests and lab values.
- 2.2 describe selected major drug classifications based upon drug actions and the effect on body systems.
- 2.3 incorporate and apply knowledge of clinical calculations and pharmacological principles as they relate to nursing care and patient safety.
- 2.4 describe the role and responsibilities of the nurse in monitoring and providing drug therapies.
- 2.5 identify skills needed in using patient care technologies, information systems and communication techniques that support safe nursing practice in caring of patients across the lifespan.
- 2.6 identify and access resources available on disease states, medications, and information for patient education.
- 2.7 perform accurate calculations related to medication administration.
- 2.8 describe the differences in pharmacology and its effects across the lifespan when administering medications to culturally diverse populations.

3. METHODS OF INSTRUCTION

- 3.1 Didactic
- 3.2 Multi-media presentations
- 3.3 Group discussions
- 3.4 Supplementary handouts
- 3.5 Assigned readings
- 3.6 Library resources

4. LEARNING ACTIVITIES

- 4.1 Class discussions
- 4.2 Oral presentations
- 4.3 Classroom demonstrations
- 4.5 Written assignments
- 4.6 Group work

5. EVALUATION

- 5.1 Assignments
- 5.2 Participation
- 5.3 Computerized tests

6. STUDENT RESPONSIBILITIES

- 6.1 Under AWC Policy, students are expected to attend every session of class in which they are enrolled.
- 6.2 If a student is unable to attend the course or must drop the course for any reason, it will be the responsibility of the student to withdraw from the course. Students who are not attending as of the 45th day of the course may be withdrawn by the instructor. If the student does not withdraw from the course and fails to complete the requirements of the course, the student will receive a failing grade.
- 6.3 Americans with Disabilities Act Accommodations: Arizona Western College provides academic accommodations to students with disabilities through AccessABILITY Resource Services (ARS). ARS provides reasonable and appropriate accommodations to students who have documented disabilities. It is the responsibility of the student to make the ARS Coordinator aware of the need for accommodations in the classroom prior to the beginning of the semester. Students should follow up with their instructors once the semester begins. To make an appointment call the ARS front desk at (928) 344-7674 or ARS Coordinator at (928) 344-7629, in the College Community Center (3C) building, next to Advising.
- 6.4 Academic Integrity: Any student participating in acts of academic dishonesty—including, but not limited to, copying the work of other students, using unauthorized “crib notes”, plagiarism, stealing tests, or forging an instructor’s signature—will be subject to the procedures and consequences outlined in AWC’s Student Code of Conduct.
- 6.5 All nursing courses use e-books in the curriculum plan, which requires a laptop computer or tablet. Additional text or notebooks may be required or recommended. An electronic hand-held device is required to access resources and information necessary to provide safe and effective nursing care. Students are required to obtain the class materials for the course.