

**ARKANSAS TECH UNIVERSITY
DEPARTMENT OF NURSING**



**NUR 4971
Pharmacology Review**

**Spring 2019
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ARKANSAS TECH UNIVERSITY
Department of Nursing

Course: NUR 4971 Pharmacology Review

Course Title: Pharmacology Review

Credit Hours: One Semester Hour

Contact Hours: 2-3 Clock Hours Per Week

Placement: Upper Level Nursing

Faculty: Carey Ellis DPN, APRN, FNP-BC
Dean Hall 126c
Office hours are posted on office door
Email: cellis8@atu.edu 469-747-2640 (c)

Course Description:

Prerequisite: Departmental permission.

Catalog Description:

Prerequisite: Admission to upper division nursing

One hour credit course that reviews basic pharmacology, medication administration and drug calculations utilizing dimensional analysis.

Justification/Rationale for NUR 4971:

Relationship to Student Learning Outcomes:

By the completion of this course, the learner progresses toward student learning outcomes 1, 3 and 5.

Course Objectives:

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

1. Define common related terms, list important historical events in the field of pharmacology, and discuss significant drug legislation that guides nursing practice and protect individuals receiving medications.
2. Discuss the process through which a drug must go as it is being developed and tested for human safety and define the role of the nurse in experimental drug studies.
3. Describe the three phases of drug activity in the body: the pharmaceutical phase, the pharmacokinetic phase, and the pharmatherapeutic phase.
4. Identify various types of responses that individuals may have to drugs and the eight factors that influence these responses.

5. Describe the steps used in the dimensional analysis approach to problem solving.
6. Identify the appropriate conversion factors needed to solve specific drug calculation problems.
7. Set up dosage calculations using the dimensional analysis method.
8. Solve intravenous infusion problems using dimensional analysis.

Relationship to General Objectives:

This upper division professional nursing course provides opportunities for the student to integrate knowledge and skills from the general education component with nursing theories and concepts. The course serves as a review that integrates all general education outcomes with the Department of Nursing outcomes.

Teacher Roles:

Evaluator, Facilitator, Resource Person and Supporter.

Student Roles:

Learner, Communicator and Researcher.

Textbook information: There are no required textbooks for this course. Online content through EDGT (Education Global Technologies, Inc). is utilized and can be accessed from any computer).

Attendance Policy:

This is a self-directed course utilizing online resources. The student will work at their own pace and meet all course requirements by the posted deadline. The class will not have a designated meeting time.

Evaluation:

1. Grading Scale

A = All assignments completed on time

C = All assignments completed but not on time

F = Incomplete

2. A grade of "I" may be recorded for a student whose work is incomplete due to circumstances beyond the student's control. The student must take responsibility for removal of the incomplete grade according to the Arkansas Tech University's catalog requirements.

Assignment:

The EDGT (Education Global Technologies, Inc.) *Basic of Pharmacology* and *Math Magic for Meds II* can be accessed by the student once enrolled in the course and the access code is provided by the instructor. You must complete Modules I-IV and take the four unit test found in Module V for each program. Your score for each exam must be **80% or higher** to be considered complete. You can take the test as many times as necessary to achieve the passing score.

Take a screen shot of the results page when you are finished with the assignments and email that to cellis8@atu.edu.

All students are expected to enroll in Blackboard on the first day of class each semester for further

instructions.

Policies

- a. The student is expected to conduct himself/herself in a professional manner during the independent study activities.
- b. Students are expected to:
 - 1) Present written work which is theirs alone.
 - 2) Students are reminded of the signed honesty statement and are expected to:
 - a. correctly document any materials from a textbook, pamphlet, journal, etc. that is used for an assignment.
 - b. only use authorized devices or materials for an examination and no copying from other students papers.
 - c. students caught cheating (including plagiarism) will receive a zero for the assignment and can be removed from the course with a recorded grade of D. Punishment will be determined by the Level IV faculty.

Note: Plagiarism is defined as stealing and presenting, as one's own, ideas or words of another, or not documenting material correctly.

Conduct of the Course

Guidelines:

Criteria for Credit

It is expected that each student will spend 2-3 hours per week on the scheduled assignments.

Discrimination Statement:

Arkansas Tech University does not discriminate on the basis of color, sex, sexual orientation, gender identity, race, age, national origin, religion, veteran status, genetic information, or disability in any of our practices, policies, or procedures. If you have experienced any form of discrimination or harassment, including sexual misconduct (e.g. sexual assault, sexual harassment, stalking, domestic or dating violence), we encourage you to report this to the institution. If you report such an incident of misconduct to a faculty or staff member, they are required by law to notify Arkansas Tech University's Title IX Coordinator and share the basic fact of your experience. The Title IX Coordinator will then be available to assist you in understanding all of your options and in connecting you with all possible resources on and off campus. For more information please visit: <http://www.atu.edu/titleix/index.php>.

Disability Statement:

Arkansas Tech University adheres to the requirements of the Americans with Disabilities Act in order to prevent barriers to academic accessibility. If you need an accommodation due to a disability, please contact the ATU Office of Disability Services, located in Doc Bryan Student Center, Suite 171, or visit <http://www.atu.edu/disabilities/index.php>.