

NUR 106

Pharmacology Basics in Nursing Practice

Course: Pharmacology Basics in Nursing Practice

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Office Hours: Office hours posted outside office door each semester and by appointment with individuals.

PREREQUISITES: NUR 101, BIO 210

DESCRIPTION:

This introductory course outlines the basic concepts of pharmaceuticals, pharmacokinetics, pharmacodynamics, and pharmacotherapeutics. The process of clinical calculations is introduced, as well as the major drug classifications, while the students learn to practice application of knowledge to patients.

CREDIT HOURS: 2 credits

TEXTBOOK(S) OR ALTERNATIVE:

Required:

Lilley, L.L., Harrington, S., Snyder, J.S., (2007). *Pharmacology and the Nursing Process*. 5th Ed. St. Louis, Mo.: Mosby/Elsevier. ISBN 978-0-323-04486-8

Laws Governing Nursing in South Carolina: State Board of Nursing for SC (Website: llr.state.sc.us/pol)

Silvestri, Linda A., *Saunders Comprehensive Review for the NCLEX-RN Examination*, 2008, 4th edition. Elsevier Saunders. ISBN 13: 978-1-4160-3708-8

Recommended:

APA Manual for formatting papers

Handbook of Lab and Diagnostic Tests - within 5 years

Mosby Nursing and Medical Dictionary and Encyclopedia - within 5 years old

Nursing Drug Handbook - within 5 years old

The Pill Book - 2008 edition - if Nursing Drug Handbook is over 2 years old.

MATERIALS (specifying those to be purchased by student):

COLLATERAL READING:

Collateral reading may be assigned and content may be used in exam questions.

CLASS MANAGEMENT ACTIVITIES (Attendance, tardies, testing, etc.):

Academic Dishonesty:

NETC honors the state SCTCS Student Code with regard to Academic Dishonesty. Students should read page 46 of the NETC College Catalog. A copy of the Student Code is available at www.netc.edu.

Electronic Devices:

All electronic devices (cell phones, pagers, etc.) must be turned off during class/clinical time. These devices are not part of the instructional environment and may be confiscated by the instructor if utilized during these times. This includes anyone caught text-messaging during class. If your cell phone should ring a **2nd time** during the semester, it will be confiscated and sent to **Dr. Robertson** and you can talk to him to get it - **after** I have talked to him. If you are a member of emergency preparedness, you must have authorization from the Vice-President of Student Services (Dr. Robertson) to keep your device on during these times.

Identification Badges

The College requires that students wear their Northeastern Technical College Identification Badge at all times while on campus and within the clinical setting areas. Failure to wear ID badge will result in the student not being allowed to enter in to the classroom or clinical setting.

Testing/Final Exams:

Tests will consist of information gathered from: text, assigned reading, handouts in class/on web or assigned and video content.

- a. There will be no retests. Makeup tests will be allowed only for valid excuses for missing the examination and prior contact is made. A grade of "F" will be recorded for any tests missed. If a problem should arise, a test may be taken early at a time established by the Instructor. To be eligible to makeup a test, the student must contact the instructor prior to the class time of the day the test is issued. The student may leave a phone message or email explaining their situation and the timestamp on message must meet the deadline stated in the previous sentence. The instructor will return the call or respond to the email indicating if the excuse is acceptable and the day and time the test can be taken.
- b. If you are allowed to make up the test, you are expected to make up the missed test on your first day back to school (clinical or lecture) - **NO EXCEPTIONS**. Failure to do so will result in a grade of zero (0) for that test. The test will be left in the Success Center. You will need your student ID card in order to take the test. The instructor reserves the right to administer a full discussion test or a test other than the original test.

- c. Any unscheduled quizzes that are missed will not be allowed to be taken at a later time and a grade of zero (0) will be given for that quiz.
- d. Drug calculations on tests/exams are to be rounded with decimals to one decimal place unless otherwise directed for all metric answers. Include a zero preceding a decimal number if there is no whole number. Do not include zeros at the end of decimal numbers. Apothecary or household answers should be expressed in fractions unless otherwise requested by instructor.
- e. Assignments are to be turned in at the designated assignment time. If you are unable to turn in the assignment, make arrangements to have the assignment turned in for you.

Tests will be returned as soon as possible. Tests will not be returned until all students have taken the test. Tests are not to be taken from the classroom and must be returned to the instructor after review. The time allotted for review of test will be designated by the instructor.

Final exams will only be administered on the designated date and during the designated time for that particular class.

Statement on Written Assignments:

The instructor reserves the right to refuse any paper, which is messy or unreadable, or appears to be copied. Incorrect grammar and spelling errors will be noted. Papers will be graded on the basis of content, organization, grammar, and neatness. APA format will be required for any papers written for this class. No handwritten papers will be accepted except unless otherwise specified by instructor.

Attendance and Tardy Policy:

- a. CLASSROOM - The student is responsible for material covered in any class or lab. A student may miss a maximum of up to 10% of scheduled class hours. It is strongly advised that students attend all classes. Three tardies will equal one absence. A student will be considered tardy if he/she comes into the classroom after the roll has been called. You will be dropped from the class after you have exceeded the 10% time frame.
- b. CLINICAL - No clinical required for this course.

Classroom Etiquette:

An integral part of an education is developing a sense of integrity and responsibility, not only toward instructors, but also toward other students. In the classroom, as on the job or in your home, exhibiting appropriate behavior reflects on your maturity. Arriving late to class, being unprepared, inappropriate talking while class is in session, text messaging, etc. negatively reflects on you and your fellow students. Please be considerate.

RESOURCES (A-V, persons, tools/equipment):

Lecture, audio-visual aids, class discussion, group discussion, group and/or individual project(s), pencil and paper tests, written assignments, role-play, reference readings, Web CT and/or other computer-assisted instructions.

COURSE TOPICAL OUTLINE (List topics and sub-topics of course) and Calendar or approximate length of time devoted to topic.

TENTATIVE SCHEDULE

1. Pharmacology Basics
2. Drugs affecting the Central Nervous System
3. Drugs affecting the Autonomic Nervous System
4. Drugs affecting the Cardiovascular and Renal Systems
5. Drugs affecting the Endocrine System
6. Drugs affecting the Respiratory System
7. Antiinfective and Antiinflammatory Drugs
8. Immune and Biologic Modifiers and Chemotherapeutic Drugs
9. Drugs affecting the Gastrointestinal System and Nutrition
10. Miscellaneous Therapeutics: Hematologic, Dermatologic, Ophthalmic, and Otic Drugs

The above outline is a tentative outline and the instructor reserves the right to add to or delete as needed. Test schedule for above outline is listed on grade sheet for this subject.

LEARNING OUTCOMES:

Student will be able to:

1. Communicate several prototype drugs that work to affect one or more of the human body's system to others.
2. Communicate to others about the importance of safety and the effectiveness of drug therapy.
3. Discuss the nurse interventions necessary when administering multiple drugs to patients.
4. Describe patient teaching content and principles used when giving select drugs.
5. Describe nutrition and herbal supplements that may interfere with other pharmacology agents.
6. Define several types of drugs that affect microorganism growth.
7. List side effects and adverse reactions of select drugs.
8. Identify basic pharmacology safety measures when administering select drugs (ie, anesthetics, central nervous depressants, narcotics, sedatives, and anticoagulants).

COLLEGE WIDE COMPETENCIES:

Identify and use sources of information by utilizing information processing skills compatible with job demands in a computer-literate society.

Solve problems incorporating effective decision-making, reasoning and creativity.

Apply mathematical/computational skills to solve problems.

Practice interpersonal skills and teamwork in their lives and chosen careers.

INSTRUCTIONAL METHODS TO COMPLETE OUTCOMES: Lecture, audio-visual aids, class discussion, group and/or individual project(s), pencil and paper tests (unit & pop-test), reference readings, computer-assisted software.

ASSESSMENT TOOLS: May include:

1. Objective tests
2. Written assignments & Projects

EVALUATIVE METHODS TO APPRAISE OUTCOMES:

Course grades will be derived from theory and practice. A grade below 75 in theory constitutes failure of the course. A student is permitted to repeat a NUR course **ONE** time only. The student who repeats a NUR course and does not achieve a grade of 75 or better is ineligible to continue enrollment in the Associate Degree Nursing Program. While waiting to repeat a NUR course, a student will not be able to take a NUR that has a prerequisite of the NUR course which was not successfully completed.

TEST GRADE COMPUTATION

UNIT TESTS	70%
Quizzes, Projects	10%
FINAL EXAM (cumulative)	<u>20%</u>
TOTAL	100%

**** If no quizzes or projects are given, the tests will be worth 80%.**

GRADING SCALE:

A	93-100	4 Quality Points
B	86-92	3 Quality Points
C	75-85	2 Quality Points
D	70-74	1 Quality Points
F	69 & below	0 Quality Points

GUIDELINES FOR NUR 106 STUDENTS:

1. All written work must have your name on it or you will receive a zero.
2. One half (1/2) point will be taken off for each misspelled word. This applies if the same word is misspelled more than once.
3. Students are expected to be fully prepared for each class. This includes having read all assigned materials.

4. Assignments are to be turned in at the assigned time. If you are unable to turn in the assignment, make arrangements to have the assignment turned in for you.
5. There is to be no drinking or eating in the classroom, simulated lab, or computer area.
6. Students are required to perform designated exam of Saunders Comprehensive Review for NCLEX-RN Companion CD-ROM with a minimum scoring of 90%. Exam Date for NCLEX-RN of Saunders Comprehensive Review will be designated by the instructor. Exam is to be presented to the instructor on day of testing for the Pharmacology unit test.
7. Students who do not make a minimum of 75 on theory tests are required to perform the remedial training portion of the Assessment Technologies Institute (ATI) Educational Testing on subjects covered on that theory test. Documentation of completion of the remedial portion has to be provided to the instructor prior to the next theory test. Students who do not provide the remedial training portion prior to next scheduled theory test will not be allowed to take the scheduled test.
8. Students with disabilities are encouraged to contact the Vice-President for Student services to discuss needs or concerns as they pursue an academic program and participate in campus life. The Vice-President for Student Services will provide guidance regarding official documentation of disabilities and/or accommodation of needs. (See Catalog, pg. 23)