

**NEOSHO COUNTY COMMUNITY COLLEGE
MASTER COURSE SYLLABUS**

COURSE IDENTIFICATION

Course Code/Number: NURS 122

Course Title: Pharmacology for Nursing

Division: Applied Science (AS) Liberal Arts (LA) Workforce Development (WD)
 Health Care (HC) Lifetime Learning (LL) Nursing Developmental

Credit Hour(s): 3

Effective Date: Spring 2018

Assessment Goal per Outcome:

Outcome #1-3: 75%

COURSE DESCRIPTION

This course is designed to establish a solid base of knowledge in nursing pharmacology. Clinical judgment and nursing concepts will be utilized in discussing basic pharmacology to reduce risk and promote safe patient centered care, throughout the lifespan.

MINIMUM REQUIREMENTS/PREREQUISITES AND/OR COREQUISITES

Prerequisites: Anatomy and Physiology.

TEXTS

The official list of textbooks and materials for this course is found on *myNeosho*.

<http://www.neosho.edu/ProspectiveStudents/Registration/CourseSyllabi.aspx>

COURSE OUTCOMES/COMPETENCIES (as Required)

At the completion of the course the student will be able to pass a nationally normed Pharmacology exam and unit/final exams on the following outcomes:

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1. Determine relevant safe, legal and ethical standards of medication administration.
2. Evaluate the impact of developmental and cultural aspects related to the use of medications.
3. Incorporate clinical judgement to make evidence-based decisions regarding use of medications.

MINIMUM COURSE CONTENT

The following topics must be included in this course. Additional topics may also be included.

Course Outline

- Unit 1 –Professional Concepts in Pharmacology
- Unit 2 –Stress, Coping, Mood and Affect
- Unit 3 –Reproduction, Elimination, and Nutrition
- Unit 4 –Sensory Perception and Pain
- Unit 5 –Thermoregulation, Tissue Integrity, Immunity, Infection, Inflammation
- Unit 6 –Perfusion and Clotting
- Unit 7 –Intracranial Regulation and Mobility
- Unit 8 –Gas Exchange and Fluid & Electrolytes
- Unit 9 –Glucose and Thyroid Regulation

STUDENT REQUIREMENTS AND METHOD OF EVALUATION

The grade will be determined at the end of the course on the basis of the work completed. All grades are computed according to the following scale:

A	91-100%
B	83-90%
C	76-82%
D	67-75%
F	<66%
XF	Failure due to academic dishonesty
I	Incomplete
W	Withdraw

Classroom/Hybrid

Unit Exams, Final Exam, and ATI as scheduled in computer lab at NCCC.

Coursework Assignment(s)

Final course grade will be based on quizzes, exams, in class activities and additional assignments.

ASSESSMENT OF STUDENT GAIN

The purpose of assessing student learning at Neosho County Community College is to ensure the educational purposes of the institution are met and appropriate changes are made in program development and

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classroom instruction to allow for student success. The instructor(s) of this course will determine the methods of assessment most appropriate and complete an assessment report at the end of the course. Assessment of student gain is accomplished via course assignments, unit exams, ATI Pharmacology for Nursing and the comprehensive final.

Attendance Policy

1. NCCC values interactive learning which promotes student engagement in the learning process. To be actively engaged, the student must be present in the learning environment.
2. Unless students are participating in a school activity or are excused by the instructor, they are expected to attend class. If a student's absences exceed one-eighth of the total course duration, (which equates to one hundred (100) minutes per credit hour in a face-to-face class) the instructor has the right, but is not required, to withdraw a student from the course. Once the student has been dropped for excessive absences, the registrar's office will send a letter to the student, stating that he or she has been dropped. A student may petition the chief academic officer for reinstatement by submitting a letter stating valid reasons for the absences within one week of the registrar's notification. If the student is reinstated into the class, the instructor and the registrar will be notified. Please refer to the Student Handbook/Academic Policies for more information
3. Absences that occur due to students participating in official college activities are excused except in those cases where outside bodies, such as the State Board of Nursing, have requirements for minimum class minutes for each student. Students who are excused will be given reasonable opportunity to make up any missed work or receive substitute assignments from the instructor and should not be penalized for the absence. Proper procedure should be followed in notifying faculty in advance of the student's planned participation in the event. Ultimately it is the student's responsibility to notify the instructor in advance of the planned absence.

ACADEMIC INTEGRITY

NCCC expects every student to demonstrate ethical behavior with regard to academic pursuits. Academic integrity in coursework is a specific requirement. Definitions, examples, and possible consequences for violations of Academic Integrity, as well as the appeals process, can be found in the College Catalog, Student Handbook, and/or Code of Student Conduct and Discipline.

ELECTRONIC DEVICE POLICY

Student cell phones and other personal electronic devices not being used for class activities must not be accessed during class times unless the instructor chooses to waive this policy.

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Information and statements in this document are subject to change at the discretion of NCCC. Students will be notified of changes and where to find the most current approved documents.

ACCOMMODATIONS

If you are a student with a disability who may need accommodation(s), in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990, please notify the Dean of Student Services in the Student Services Office, Sanders Hall, 620-432-0304, on the Chanute Campus, or the Dean for the Ottawa and Online Campuses, 785-248-2798, on the Ottawa Campus as soon as possible. You will need to bring your documentation for review in order to determine reasonable accommodations, and then we can assist you in arranging any necessary accommodations.

NON-DISCRIMINATION POLICY

The following link provides information related to the non-discrimination policy of NCCC, including persons with disabilities. Students are urged to review this policy.

<http://www.neosho.edu/Departments/NonDiscrimination.aspx>

SEXUAL MISCONDUCT POLICY (TITLE IX)

At NCCC, it is the responsibility of an instructor to help create a safe learning environment in the classroom, including both physical and virtual classrooms. All instructors are considered mandatory reporters at NCCC, therefore any information regarding sexual misconduct that is shared by a student in one-on-one meetings with the instructor must be reported to appropriate personnel at the College. Instructors will keep the information private to the greatest extent possible, but it is not confidential. Generally, climate surveys, classroom writing assignments or discussions, human subjects research, or events such as Take Back the Night events do not provide notice that must be reported to the Coordinator by employees, unless the reporting party clearly indicates that they wish a report to be made.

The following link provides information related to the sexual misconduct policy of NCCC, including resources, reporting options, and student rights. Students are urged to review this policy.

<http://www.neosho.edu/TitleIX.aspx>

COURSE NOTES

Brief Content Outline

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1. Unit 1 – Professional Concepts in Pharmacology
 - a. Regulation
 - b. Administration
 - c. Kinetics/dynamics
 - d. Dosage calculation
 - e. Lifespan
 - f. Substance Abuse
2. Unit 2 – Stress, Coping, Mood and Affect
 - a. Benzodiazepines & Barbiturates
 - b. SSRI/MAO's/TCA's
3. Unit 3 –Reproduction, Elimination, and Nutrition
 - a. Steroid Sex hormones
 - b. Oxytocin
 - c. Tocolytics
 - d. Drugs for Erectile Dysfunction
 - e. H2-receptor blockers
 - f. Proton-pump inhibitors
 - g. Antacids
 - h. Laxatives
 - i. Antidiarrheals
 - j. Antiemetics
 - k. Vitamins
 - l. Minerals
 - m. Nutritional Supplements
 - n. Drugs for BPH
4. Unit 4 – Sensory Perception and Pain
 - a. Opioids and NSAIDS
 - b. Eye, ear preparations
5. Unit 5 – Thermoregulation, Tissue Integrity, Immunity, Infection, Inflammation
 - a. Glucocorticoids
 - b. Immunomodulators
 - c. Leukotriene modifiers
 - d. Antimicrobials
 - e. Antipyretics
 - f. Disease modifying drugs
 - g. Bone resorption inhibitors
 - h. Uric Acid inhibitors
6. Unit 6 – Perfusion and Clotting
 - a. Antihypertensives
 - b. Antidysrhythmics
 - c. Antianginals
 - d. Inotropics
 - e. Thromboembolics
 - f. Anticoagulants

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- g. Antilipidemics
- h. Vasodilators
- 7. Unit 7 – Intracranial Regulation and Mobility
 - a. Antiparkinson's Agents
 - b. Antiseizure medications
 - c. Muscle relaxants
 - d. Antispasmodics
- 8. Gas Exchange and Fluid & Electrolytes
 - a. Antidiuretic hormone
 - b. Expectorants
 - c. Antitussives
 - d. Mucolytics
 - e. Beta-adrenergic agents/sympathomimetics
 - f. Anticholinergics
- 9. Glucose and Thyroid Regulation
 - a. Insulins
 - b. Oral hypoglycemic
 - c. Thyroid hormone
 - d. Antithyroid Agents

Commented [LM1]: Previous syllabi had Mobility