



**RNSG 1301**  
**Pharmacology for Nurses**

**Syllabus**

**Fall 2021**

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Associate Professor of Nursing

Syllabus for RNSG 1301- Pharmacology

Course: RNSG 1301

Course Instructor Contact Information:

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Office hours: By appointment only (This is an online course)

**IMPORTANT COMMUNICATION NOTE:**

Instructors frequently communicate with you via NTCC email.

**Be sure to check your NTCC email DAILY!**

Assignments and Clinical Support Materials are posted in Blackboard and students are responsible for checking these daily throughout the week.

Course/Catalog Description: Pharmacology

This course is an introduction to the science of pharmacology with emphasis on the actions, interactions, adverse effects, and nursing implications of each drug classification. Topics include the roles and responsibilities of the nurse and safe administration of medications within a legal/ethical framework.

This is a three-hour course that **requires a MINIMUM of 9 hours of student time per week** for reading, studying and completing online assignments.

**Course Number:** RNSG 1301  
**Course Title:** Pharmacology for Nursing  
**Credit Hours:** 3

**Course Outline:**

Orientation to Syllabus, Blackboard and Course Policies

**Course Textbooks Required:**

McCustion, L.E., Vuljoin-DiMaggio, K., Winton, M.B. and Yeager, J.J. (2021). Pharmacology: A patient-centered nursing process approach (10<sup>th</sup> ed.). Elsevier: St. Louis, MO. Publisher: Elsevier ISBN Number: 978-0-323-64247-7

American Psychological Association. (2009). Publication Manual of the American Psychological Association (Sixth ed.). American Psychological Association.

**STRONGLY ENCOURAGED but optional:**

McCustion, L.E., Vuljoin-DiMaggio, K., Winton, M.B. and Yeager, J.J. (2021). Study guide: Pharmacology: A patient-centered nursing process approach (10<sup>th</sup> ed.). Elsevier: St. Louis, MO. ISBN Number: 978-0-323-67260-3

Recommended Readings:

Current Nursing Dictionary/Encyclopedia  
Current Nursing Drug Handbook/Guide  
Texas Nurse Practice Act  
Board of Nursing Scope of Practice  
Healthy People 2020  
American Nurse Association Code of Ethics

Students may also use Nursing/Medical websites to gather information as long as the sites are from a quality source.

**TO BEGIN THE COURSE:**

1. FIRST: Access NTCC Blackboard and find the Course Syllabus on the Home Page.
2. Read the Classroom Learning Folder—thoroughly read and understand the document.
3. Click on Week 1 to find reading assignments, homework, quizzes, etc.
4. Access the Evolve website at <https://evolve.elsevier.com/McCuistion/pharmacology> to access online resources that come with your textbook purchase.

**Course Objectives:**

The Texas State Board of Nurses (BON) provides differentiated essential competencies (DECs) (2010) to guide nursing education programs in developing a curriculum which prepares graduates to provide safe, competent, compassionate care. The Competencies from the BON show the expected level of performance, integrating knowledge, skills, abilities and judgment based upon the preparation in the program of study. The differentiation is based upon the level of the nursing education program in which the student is enrolled.

The NTCC nursing program director and faculty incorporates the Differentiated Essential Competencies (DECs) (2010) into the student learning outcomes of each course, based on the level of the nursing educational program. The learning outcomes of this course are based on the essential competencies of graduates of Texas Associate Degree nursing education programs.

1. Explore basic terms, and principles of drug action related to drug classifications.
2. Explore the principles of pharmacokinetics for identified commonly used categories of medications.
3. Accurately calculate dosages for commonly used medications through a variety of routes.
4. Identify the roles and responsibilities of nursing practice related to administering pharmacologic agents.
5. Utilize knowledge of pharmacology to safely administer medications and manage pharmacotherapy.
6. Identify adaptations required for pediatric and aging clients related to various drug classifications.
7. Discuss the pharmacokinetics, pharmacodynamics, adverse effects, drug/drug or drug/food interactions for major drug categories.
8. Discuss the nursing implications for administration, monitoring, and patient education for major drug categories.

**Grading:**

This is a nursing course; therefore you must have a 75 (C) to pass. There is NO ROUNDING GRADES.

Grades will be assigned based on percentage earned.

90-100 =	A
80-89 =	B
75-79 =	C
< 74 =	F

The grades earned in this course will be based on the following criteria:

○ 3 Timed Exams	30%
○ Assigned Weekly Evolve Quizzes	15%
○ 4 Calculation quizzes	10%
○ 14 Weekly discussion board post with 2 responses	25%
○ 1 Comprehensive final	20%

Additionally, all class examinations are considered to be a major part of the course work upon which a major portion of your final grade will be based. **If the total average of the 3 exams are below 75%, the student will not qualify to sit for the final examination and will fail the course.** There is **NO ROUNDING** of grades.

**Course Policies:**

1. Do your own work.
2. NTCC Honesty Policy applies to this course.
3. Use NTCC Eagle email to contact me regarding this course.
4. Complete Assignments during the week they are assigned.
5. **Submit your work on time.**
  - a. Failure to do so will result in a deduction of 10 points per day for up to 3 days late.
  - b. If not posted within 72 hours of due date, a grade of ZERO will be recorded.
  - c. All portions of the discussion board post must be completed before the assignment will be graded. *If all portions are not complete, you will receive a ZERO for the assignment. No partial credit for half done work.*
6. To prepare for quizzes and exams:
  - a. Read the assigned chapters.
  - b. Complete the practice NCLEX questions found in each online unit.
7. Quizzes and exams are timed and are **not** open book. You are on your honor that you take the quizzes without opening your book.
8. Log on at least 3 times per week to check announcements, emails, reply to discussions, complete assignments, take quizzes, etc.
9. When submitting an attachment, use Word format (.doc or .docx) unless otherwise requested.
10. Use professional language when writing assignments.
11. Use APA format for citing reference material used and for all discussion board post.

**Final Day to Withdraw with a Grade of "W" .....Tuesday, November 16, 2021.**

**Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements**

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

**NTCC Academic Honesty/Ethics Statement:**

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

**ADA Statement:**

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

**Family Educational Rights and Privacy Act (FERPA):**

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

**Tentative Course Timeline (\*note\* instructor reserves the right to make adjustments to this timeline at any point in the term):**

<b>Week 1</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 1. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	<p>McCuiston Textbook: Ch.2 Drug Development and Ethical Considerations (Focus on Drug names, OTC Drugs, and Schedule Categories Table 2.1)</p> <p>Ch. 3 Pharmacokinetics, Pharmacodynamics, and</p> <p>Ch. 4 Pharmacogenetics</p> <p>Ch. 11 Drug Calculations (Dimensional Analysis only)</p>	McCuiston Study Guide: Ch. 2,3,4,11	<p>This information will be on Exam 1.</p> <p>Calculation quiz next week.</p> <p>(Dosage calculation problems will be on all major exams and the comprehensive final.)</p> <p>Evolve Quiz</p>
<b>Week 2</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 2. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	<p>McCuiston Textbook: Ch. 1 The Nursing Process and Patient Centered Care</p> <p>Ch. 9 Safety and Quality</p> <p>Ch. 44 Eye and Ear disorders</p> <p>Ch. 45 Dermatologic Disorders</p>	McCuiston Study Guide: Ch. 1, 9, 44, 45	<p>This information will be on exam 1.</p> <p>Calculation's quiz. Posted on Monday. Due Sunday @midnight.</p> <p>Evolve Quiz</p>

<b>Week 3</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 3. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	<p>McCuiston Textbook: Ch. 15 Adrenergic Agonist and Antagonist</p> <p>Ch. 16 Cholinergic Agonist and Antagonist</p>	McCuiston Study Guide: Ch. 15, 16	<p>This information will be on exam 1.</p> <p>Evolve Quiz</p> <p>Exam 1 will be next week.</p>

<b>Week 4</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 4. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	<p>McCuiston Textbook: Ch. 48 Urinary Disorders</p> <p>Ch. 53 Men's Health and Reproductive Disorders</p>	McCuiston Study Guide: Ch. 48, 53	<p>Take exam 1.</p> <p>This information will be on exam 2.</p> <p>Evolve Quiz</p>

<b>Week 5</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 5. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	<p>McCuiston Textbook: Ch. 52 Women's Reproductive Health</p> <p>Ch. 54 Sexually Transmitted Infections</p>	McCuiston Study Guide: Ch. 52, 54	<p>This information will be on exam 2.</p> <p>Evolve Quiz</p>



<b>Week 6</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 6. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	<p>McCuiston Textbook: Ch. 12 Fluid Volume and Electrolytes</p> <p>Ch. 21 Drugs for Neuromuscular Disorders and Muscle Spasms</p> <p>Ch. 24 Anti-inflammatory</p> <p>Ch. 25 Analgesics</p>	McCuiston Study Guide: Ch. 12, 21, 24, 25	<p>This information will be on exam 2.</p> <p>Calculation's quiz. Posted on Monday. Due Sunday @midnight.</p> <p>Evolve Quiz</p>

<b>Week 7</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 7. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	<p>McCuiston Textbook: Ch. 26 Antibacterial</p> <p>Ch. 27 Antituberculars, Antifungals, and Antivirals</p> <p>Ch. 28 Antimalarials, Anthelmintic, Peptides</p>	McCuiston Study Guide: Ch. 26, 27, 28	<p>This information will be on exam 2.</p> <p>Evolve Quiz</p> <p>Exam 2 will be next week.</p>

<b>Week 8</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 8. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	McCuiston Textbook: Ch. 17 Stimulants  Ch. 18 Depressants	McCuiston Study Guide: Ch. 17, 18	Take Exam 2.  This information will be on exam 3.  Evolve Quiz
<b>Week 9</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 9. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	McCuiston Textbook: Ch. 37 Cardiac Glycosides, Antianginals, and Antidysrhythmic  Ch. 38 Diuretics  Ch. 39 Antihypertensives	McCuiston Study Guide: Ch. 37, 38, 39	This information will be Exam 3  Evolve Quiz
<b>Week 10</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 10. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	McCuiston Textbook: Ch. 40 Anticoagulants, Antiplatelets, and Thrombolytics  Ch. 41 Antihyperlipidemic, and drugs to improve Peripheral Blood Flow	McCuiston Study Guide:	This information will be on exam 3.  Posted on Monday. Due Sunday @midnight.  Evolve Quiz

<b>Week 11</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 11. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	McCuiston Textbook: Ch. 35 Upper Respiratory  Ch. 36 Lower Respiratory	McCuiston Study Guide: Ch. 35, 36	This information will be on exam 3.  Evolve Quiz  Exam 3 will be next week.
<b>Week 12</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 12. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	McCuiston Textbook: Ch. 46 Pituitary, Thyroid, Parathyroid, and Adrenal Disorders  Ch. 47 Antidiabetics	McCuiston Study Guide: Ch. 46, 47	Take Exam 3.  This information will be included on the Comprehensive Final.  Evolve Quiz
<b>Week 13</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 13. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	McCuiston Textbook: Ch. 19 Anticonvulsants  Ch. 20 Drugs for Parkinson's and Alzheimer's Disease	McCuiston Study Guide: Ch. 19, 20	This information will be included on the Comprehensive Final.  Posted on Monday. Due Sunday @midnight.  Evolve Quiz

<b>Week 14</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 14. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	McCuiston Textbook: Ch. 22 Antipsychotics and Anxiolytics  Ch. 23 Antidepressants and Mood Stabilizers	McCuiston Study Guide: Ch. 22, 23	This information will be included on the Comprehensive Final.  Evolve Quiz
<b>Week 15</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
Listed in Blackboard Week 15. Original post must be made by Thursday @ midnight. Required response to other students post. Due by Sunday @ midnight.	McCuiston Textbook: Ch. 13 Vitamin and Mineral Replacement  Ch. 14 Nutritional Support  Ch. 42 Gastrointestinal Disorders  Ch. 43 Antiulcer Drugs	McCuiston Study Guide: Ch. 13, 14, 42, 43	This information will be included on the Comprehensive Final.  Evolve Quiz
<b>Week 16</b>			
<b>Discussion post</b>	<b>Required Reading</b>	<b>Recommended Optional assignments</b>	<b>Evaluations</b>
			The final will be the week of December 6-10th.  Evolve Quiz