



**VNSG 1227-501CL Med Administration
Essentials of Medication Administration
Spring 2022
Tuesday 09:00 AM – 12:00 PM**

Instructor Information: Ute Holch RN MHA BSN, CCRN/uholch@com.edu/713-870-0285

Student hours and location: Live via classroom

Required Textbook/Materials:

Sherpath Drug Calculations , Elsevier, ISBN 9780323758239

Elsevier Adaptive Quizzing - Elsevier Adaptive Quizzing for Calculation of Drug Dosages - Classic Version, 11th Ed,

Elsevier. F18_COM_LVN_DEWIT/NCLEX-EAQ. ISBN 9780323664714. Silvestri, L.A. (2016).

Saunders's Comprehensive Review for NCLEX-PN. (6thed.). St. Louis, Missouri: Saunders Elsevier

EHR Tutor software for electronic documentation (registration and login/password access required. COM faculty will assist with the registration). You may purchase and set up your account at <http://my.ehrtutor.com/signup>

Links - https://www.bon.texas.gov/pdfs/differentiated_essential_competencies-2010.pdf
<https://www.bon.texas.gov/>

Recommended Textbooks

Linton, A., & Matteson, M.A. (2020). *Medical Surgical Nursing* (7th ed.). St. Louis; Elsevier. ISBN 978-0-323-55459-6 (used throughout Summer and Fall 2022)

Course Description:

VNSG 1227. Medication Administration. This course covers the general principles of medication administration including determination of dosage, preparation, safe administration and documentation of multiple forms of drugs. Instruction includes various systems of measurement.

Course requirements: (including description of any special projects or assignments)

Prerequisites: BIOL 2401 with a grade of "C" or better. (Credit hours: Lecture 1, Lab 2) (16-Week course, 48 contact hours)

Determination of Course Grade/Detailed Grading Formula:

Grading Scale

A = 90 - 100.00

B = 80 - 89.99

C = 75 - 79.99*

D = 60 - 74.99

F = < 60

*A minimum final grade of “C” is required to pass this course.

Computation of Grades	
Homework/DQ/Assignments/Survey	20%
Quizzes	20%
Exam I*	15%
Exam II*	15%
Exam III*	15%
Final Exam*	15%
Average Exam Total	
Total	100%
* ≥ 75% exam average required to pass the course **Weighted assignments calculated only after 75% exam average met	

Late Work, Make-Up, and Extra-Credit Policy:

All course assignments are expected to be completed and submitted on the specified due date.

See Late Assignments Policy in the Nursing Student Handbook.

Assignments will be accepted after the due date, however, are subject to point deductions as outlined in the Nursing Student Handbook.

See Grade Determination & Calculation in the Nursing Student Handbook.

Attendance Policy:

See the Attendance Policy in the Nursing Student Handbook

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. (Faculty may add additional statement requiring monitoring and communication expectations via Blackboard or other LMS)

Course Objectives/Student Learning Outcomes:

As outlined in the Texas Board of Nurse Examiners Differentiated Essential Competencies (DECs) for the vocational nurse upon completion of this course, the student is expected to utilize beginning clinical reasoning skills in implementing the nurse roles of Provider of Member of a Profession, Provider of Patient-Centered Care, Patient Safety Advocate, and Member of the Health Care Team:

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
1. List the common units of measurement in the metric system using correct notation.	Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games	EAQ Exam Skill Demonstration
2. Demonstrate abbreviating times & routes of administration.	Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games	EAQ Exam Skill Demonstration
3. Convert metric weights and volumes within the system	Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games	EAQ Exam Skill Demonstration
4. List the common units of measure in the apothecary and household systems plus their symbols and abbreviations.	Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games	EAQ Exam Skill Demonstration

<p>5. Make conversions between metric, apothecary, and household measurements.</p>	<p>Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games</p>	<p>EAQ Exam Skill Demonstration</p>
<p>6. Safely read drug labels to identify trade and generic names, dosages, and mixing instructions.</p>	<p>Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games</p>	<p>EAQ Exam Skill Demonstration</p>
<p>7. Use dimensional analysis to calculate dosages.</p>	<p>Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games</p>	<p>EAQ Exam Skill Demonstration</p>
<p>8. Describe the correct technique for administering the medications via the following routes using established protocols & calculations across the lifespan: a. Oral medication b. Eye and ear drops c. Medicated inhalers d. Parenteral solutions using tuberculin, insulin, 3 cc, 5 cc, and 10 cc syringes i. Subcutaneous injections ii. Intradermal injections iii. IM injections e. IV fluids f. Piggyback medications</p>	<p>Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games</p>	<p>EAQ Exam Skill Demonstration</p>

<p>9. Describe the problem-solving approach to make decisions regarding medication administration.</p>	<p>Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games</p>	<p>EAQ Exam Skill Demonstration</p>
<p>10. Demonstrate calculation of safe and proper dosage & administration of heparin and insulin across the lifespan.</p>	<p>Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games</p>	<p>EAQ Exam Skill Demonstration</p>
<p>11. Demonstrate calculation of accurate & safe dosages for pediatric patient administration; oral, IM, SQ, IV and educate parents of the pediatric patient for home maintenance</p>	<p>Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games</p>	<p>EAQ Exam Skill Demonstration</p>
<p>12. Identify specific safety precautions that are necessary when administering medication to older adults</p>	<p>Lecture Discussion Audiovisual Aids Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games</p>	<p>EAQ Exam Skill Demonstration</p>
<p>13. Discuss the practice of nursing according to the Texas Nursing Standards of Practice,</p>	<p>Lecture Discussion Audiovisual Aids</p>	<p>EAQ Exam Skill Demonstration</p>

Differentiated Essential Competencies (DECs) and within the parameters of the law.	Critical Thinking Exercises Simulations Computer-assisted instructions Case Scenarios Medication Administration skills Educational Games	
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Academic Dishonesty:

Any incidence of academic dishonesty will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty, such as cheating on exams, is an extremely serious offense.

See Behavior/Conduct policy in the Nursing Student Handbook.

Plagiarism:

Plagiarism is using someone else’s words or ideas and claiming them as your own. Plagiarism is a very serious offense. Plagiarism includes paraphrasing someone else’s words without giving proper citation, copying directly from a website, and pasting it into your paper, using someone else’s words without quotation marks. Any assignment containing plagiarized material will receive a grade of zero and the student will be referred to the Office of Student Conduct for the appropriate disciplinary action.

Also see the Behavior/Conduct policy in the Nursing Student Handbook.

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Dr. Debbie Bauer, DON, at 409-933-8908/DBauer3@com.edu.

Course outline: See appendix at end of syllabus