

Course Learning Outcomes (CLO)

At the completion of this course the student will be able to:

1. Identify the role of the professional nurse in administering medication and providing related patient education across various healthcare settings.
2. Explain the evidence-based measures to ensure the prevention of medication errors.
3. Describe the legal and ethical principles related to the practice of medication administration.
4. Explain basic principles of pharmacology and commonly used terminology.
5. Demonstrate basic dosage calculations.
6. Identify technology available to ensure safe medication administration.
7. Describe the importance of assessing personal preferences, beliefs, and values when administering medications.
8. Discuss the role of team members as they pertain to medication orders and considerations.

Class Date	Concept and Exemplars	Student Learning Outcomes	Pre-Class Assignment
<p>Class #1 & Class #2</p> <p>You must bring your iPad and CCRI ID to all class meetings.</p>	<p>Safety and Quality Improvement</p> <p><i>Introduction to Dosage Calculations</i></p>	<ol style="list-style-type: none"> 1. Correctly perform basic dosage calculations.(CLO 5) 2. Correctly perform conversion calculations from different methods of measurement (i.e. household to metric). (CLO 5) 3. Demonstrate correct use of equipment used for medication administration. 	<p>Readings: Sienkiewicz Chapter 2, 3, 8, 9</p> <p>Pre-class Assignments: Sienkiewicz</p> <p>Learning Activities:</p> <ul style="list-style-type: none"> • Pages 39 (38), 43, 46, 50, 53: 2-4, 2-5, 2-6, 2-8, 2-9 • Pages 67 & 81: 3-1, 3-2 • Pages 201 (203), 208 (210): 8-1, 8-2 • Pages 228 (230), 237 (239), 246 (248): 9-1, 9-2, 9- 3 <p>NOTE: First edition page numbers in parentheses (). Please <u>bring a copy of all syllabi (A/B/C) to class for review.</u></p> <p>Continued Learning (after class): Continue dosage calculations modules:</p> <p>Review McCuiston Ch.11</p>

Class Date	Concept and Exemplars	Student Learning Outcomes	Pre-Class Assignment
<p>Class #3 & Class #4</p>	<p><i>Professional Identity Safety and Quality Improvement</i></p> <p>Safety of Medication Administration and Role of the Nurse</p>	<ol style="list-style-type: none"> 1. Review the patient rights of medication administration. (CLO 1, 2, 3, 6, 8) 2. Discuss technology and systems in place to prevent medication errors. (CLO 6) 3. Examine the importance of teamwork and collaboration in medication administration. (CLO 1, 7) 4. Define the role of the nursing process and safe medication administration. (CLO 1, 2) 	<p>Readings: McCuiston Chapter 9 Pre-class Assignments: McCuiston Complete NCLEX Study Questions Ch. 9 Sienkiewicz <i>Learning Activities:</i> pp. 139 (141), 143 (145), 144 (146), 147 (149): 6-1, 6-2, 6-3, 6-4 NOTE: First edition page numbers in parentheses ().</p> <p>Complete Medication Orders Errors Worksheet DUE CLASS 4</p> <p>Watch the Dennis Quaid video on Bb before coming to class 4.</p> <p>Continued Learning (after class): Continue dosage calculations modules:</p> <p>**Remote Quiz #1 Due 9/23//2021 (on Examsoft)</p>

Class Date	Concept and Exemplars	Student Learning Outcomes	Pre-Class Assignment
<p>Class #5</p> <p>Math/Dosage Competency Exam</p> <p>You must bring your iPad, simple calculator and CCRI ID to class.</p>		<p>1. CLO 5: Demonstrate Basic Dosage Calculations</p>	<p>FOR EXAM: Download the exam onto your iPad in Examsoft prior to arrival. You must have your CCRI ID badge with you to take the exam.</p>

Class Date	Concept and Exemplars	Student Learning Outcomes	Pre-Class Assignment
<p>Class #6 & Class #7</p> <p>You must bring your iPad and CCRI ID to all class meetings.</p>	<p><i>Safety and Quality Improvement-Medication Administration Techniques</i></p> <p>Routes of Medication Administration</p>	<ol style="list-style-type: none"> 1. Review routes of medication administration. 2. Differentiate administration techniques and equipment for various routes of medication. 	<p>Readings: McCuiston Chapter 10 Concepts Vol. 3 Skills 2.10-2.35</p> <p>Pre-class Assignments: Watch the Evolve videos in the NURS 1010 Videos under Medication Administration Lab</p> <p>Continued Learning (after class): NCLEX study questions McCuiston Ch. 10 (self-study)</p> <p>Prior to NURS1010 Medication Administration Lab please review the following skills: Administration of medications via these routes-</p> <ul style="list-style-type: none"> Oral Sublingual Buccal topical transdermal ophthalmic otic nasal inhaled vaginal rectal IM SubCut ID

Class Date	Concept and Exemplars	Student Learning Outcomes	Pre-Class Assignment
<p>Class #8 Exam 1 You must bring your iPad and CCRI ID to all class meetings.</p>	<p>Exam #1</p>	<p>All student learning outcomes for classes #1-7.</p>	<p>FOR EXAM: Download the exam onto your iPad in Examsoft prior to arrival. You must have your CCRI ID badge with you to take the exam.</p>

Class Date	Concept and Exemplars	Student Learning Outcomes	Pre-Class Assignment
Class #9	Safety and Quality Improvement <i>IV Dosage & Reconstitution Calculations</i>	<ol style="list-style-type: none"> 1. Correctly perform basic dosage calculations.(CLO 5) 2. Correctly perform conversion calculations from different methods of measurement (i.e. household to metric). (CLO 5) 3. Demonstrate correct use of equipment used for medication administration. 	Sienkiewicz Ch. 9 pp. 223-276 (225-278) Ch. 10 pp. 283-343 (285-343) NOTE: First edition page numbers in parentheses ().

<p>Class #11</p> <p>You must bring your iPad and CCRI ID to all class meetings.</p>	<p><i>Non-opioid pain medications</i></p> <p><i>Medication Exemplars</i></p> <p><i>Acetaminophen</i></p> <p><i>NSAIDs</i></p> <p><i>Aspirin</i></p> <p><i>Ibuprofen</i></p> <p><i>Naproxen</i></p> <p><i>Celecoxib</i></p>	<ol style="list-style-type: none">1. Discuss the mechanism of action of commonly used non-opioid pain medications.2. Correctly identify medication classes and common side-effects of commonly used non-opioid pain medications.	<p>Readings: McCuiston Chapters 24, 25</p> <p>Pre-class Assignments: Complete NCLEX Review Questions for Ch. 24 & 25</p> <p><i>Making Medication cards for exemplar medications is highly recommended.</i></p>
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<p>Class #12</p> <p>You must bring your iPad and CCRI ID to all class meetings.</p>	<p><i>Medications affecting Metabolism and Elimination:</i> <i>Gastrointestinal Medications</i></p> <p>Laxatives</p> <ul style="list-style-type: none"> • Lactulose • Polyethylene Glycol • Milk of magnesia • Bisacodyl • Metamucil • Docusate Sodium <p>Antidiarrheals</p> <ul style="list-style-type: none"> • Loperamide • Bismuth subsalicylate <p>Antiulcer</p> <ul style="list-style-type: none"> • Omeprazole • Famotidine • Sucralfate • Misoprostol <p>Calcium Carbonate</p>	<ol style="list-style-type: none"> 1. Plan and prioritize nursing care for patients with impaired metabolism prescribed commonly used medications that affect gastric secretions, gastric pH and protection of the GI tract. 2. Correctly identify medication classes and common side-effects of medications that affect gastric secretions, gastric pH, motility and protection of the GI tract. 	<p>Readings: McCuiston Ch.42 & 43</p> <p>Pre-class Assignments: Complete McCuiston Critical Thinking Case study for Ch. 42 & 43 <i>Making Medication cards for exemplar medications is highly recommended.</i></p>
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<p>Class #13</p> <p>You must bring your iPad and CCRI ID to all class meetings.</p>	<p><i>Medications affecting Protection:</i> <i>Introduction to Anti-infectives</i></p> <p><i>Medication Exemplars:</i></p> <p>Penicillins</p> <ul style="list-style-type: none"> • Amoxicillin <p>Cephalosporins</p> <ul style="list-style-type: none"> • ceftriaxone <p>Macrolides</p> <ul style="list-style-type: none"> • Azithromycin <p>Glycopeptides</p> <ul style="list-style-type: none"> • Vancomycin <p>Tetracyclines</p> <ul style="list-style-type: none"> • Doxycycline <p>Aminoglycosides</p> <ul style="list-style-type: none"> • Gentamicin Sulfate <p>Fluroquinolones</p> <ul style="list-style-type: none"> • Ciprofloxacin <p>Sulfonamides</p> <ul style="list-style-type: none"> • Trimethoprim-Sulfamethoxazole 	<ol style="list-style-type: none"> 1. Discuss nursing care for patients taking commonly used anti-infective medications. 2. Correctly identify medication classes and common side-effects of commonly used anti-infective medications. 	<p>Readings: McCuiston Ch.26</p> <p>Pre-class Assignments: <i>Making Medication cards for exemplar medications is highly recommended.</i></p> <p>**Remote Quiz #3 Due 12/6/2021 (on Examssoft)</p>
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<p>Class #14</p> <p>Exam 2</p> <p>You must bring your iPad and CCRI ID to all class meetings.</p>	<p>Exam #2</p>	<p>All student learning outcomes for classes #8 and # 10-13.</p>	<p>FOR EXAM: Download the exam onto your iPad in Examsoft prior to arrival. You must have your CCRI ID badge with you to take the exam.</p>
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