

4.3 Medication Administration Exam

(Revised 11/30/2022)

The purpose of this policy is to provide a means of ensuring that students are competent in medication dosage calculation and administration as outlined by the 6 rights of medication administration (Right patient, right medication, right dose, right time, right route, and right documentation). Learning and evaluating emphases will be two major areas. One will be on the development of competent medication administration skills that include abilities in basic mathematics and conversion measurement systems for the accurate calculation of medication dosages. The second will be the emphasis on students' competencies in critical thinking, assuming responsibility, being accountable for their actions, and understanding the serious consequences of medication errors to patient safety.

Definition: A medication error is a dosage of medication that differs from that ordered by physicians or other providers holding prescriptive authority or from that of facility policy and procedures. Categories of medication errors are wrong patient, omission of medication, unauthorized drug, wrong dose, wrong route, wrong rate, incorrect administration techniques, wrong time, wrong preparation of a dose, improper transcription, improper documentation, disregard for allergy history, and failure to recognize and heed specific nursing implications for drugs.

Medication Administration Exam

1. All clinical courses will require a proctored medication administration exam consisting of ten (10 dosage calculation problems using either an on-screen calculator or a school-provided calculator (no personal calculators or cell phones allowed) and a demonstration of safe medication administration to be administered prior to attending actual clinical experiences. The length of the exam will be 60 minutes. Clinical courses administering medication exams and demonstration of safe medication administration include NURS 3605, NURS 3615, NURS 3617, NURS 4628, NURS 4338, and NURS 4634.
2. Dimensional analysis is the only teaching method for Medication Dosage Calculation with consistent exam formats across all clinical courses.
3. The student (including those testing in the testing center) will be provided a copy of the template attached at the end of this policy to show their work. This will be turned in at the end of the exam.
4. Students will have three attempts to achieve a grade of 100%. Mandatory remediation with faculty will take place after each failed attempt to include a practice test to confirm student understanding. Attendance at the BSN Pathway for Success is recommended. The student must demonstrate they understand their calculation errors prior to attempting an additional exam. An alternate exam should be provided for each retake attempt. Every effort should be made to complete the third attempt prior to the Census date established by the University (exception NURS 3605).

5. If the student does not achieve a grade of 100% after three attempts, she/he must withdraw from the course for the semester. A grade of "W" is recorded on the student's transcript and is counted as a withdrawal in the School of Nursing if the withdrawal is after the Census Date. If withdraw before Census Date, refer to University policy. (<https://www.utt Tyler.edu/registrar/regidtration/withdrawals.php>).
6. Exception to the requirement to have the Medication Dosage Calculation exam completed prior to the Census date: Level 1 is allowed unlimited attempts until prior to hospital clinicals.

Approved: BSN Faculty Meeting 11/30/2022

Name: _____ Course and Section: _____

Dosage Calculation Exam Answer Sheet - # _____

Use the space provided for each question to work out the dosage problem.

		Answer
1.		
2.		
3.		
4.		
5.		

		Answer
6.		
7.		
8.		
9.		
10.		