

**York University – School of Nursing
Undergraduate Programs**

**Medication Calculation Testing in Undergraduate
Practicum Courses**

Title: Medication Calculation Testing in Undergraduate Practicum Courses	
Document Number:	File Name:
UPC Review & Approval Date: April 26, 2017; March 2021	Executive Committee Date: May 2017; March 2021
SON Council Decision Date: June 2017; April 2021	
Effective Date: September 2017; September 2021	Evaluation Period: Every 2 years
<p>Introduction and Rationale: The School of Nursing has a standardized approach to determine the readiness of nursing students to administer medications to patients in practice. One element of this readiness is the requirement to demonstrate accuracy in dosage calculations prior to medication preparation and administration. This written test is an individual assessment of a nursing student's ability to read and understand medication calculation questions and show evidence of accurate application of fundamental mathematics skills.</p> <p>Accurate medication calculations contribute to patient safety.</p>	
<p>Responsibilities: Students must refrain from preparing or administering medications if they have not achieved the respective standardized passing grade. Course Directors (CDs) must ensure that the <i>Medication Calculation Testing in Undergraduate Practicum Courses</i> policy is identified in the course outline and the process is followed by all associated with the respective course. Clinical Course Directors (CCDs) and students must read, become familiar with and follow this policy and its associated processes. The Nursing Simulation Centre will conduct any needed remediation sessions.</p>	
<p>Actions</p> <ol style="list-style-type: none"> 1. Applies to the relevant NURS courses in all three undergraduate programs: Seneca NUR 420 & Georgian NURS 2525/2527; York Courses NURS 2522, 2523, 2731, 3524, 4131, 4150, 4526, and 4527. 2. The first medication calculation test will be administered in the first few weeks of a new semester. 	

3. The use of a non-programmable, non-communicating calculator is permitted.
4. The standardized passing grade for Seneca NUR 420 & Georgian NURS 2525, York NURS 2522, 2523, 2731, 3524, 4131, and 4526 is 90%.
5. The standardized passing grade for Georgian NURS 2527, York NURS 4150 and 4527 is 100%.
6. Students who fail to achieve the respective standardized passing grade will begin the respective site remediation.
7. Students who do not pass the first writing of the Medication Calculation Test. Will engage in the respective site remediation strategies. After 3 attempts, students who do not pass will be referred to the respective program site lead.
8. The medication calculation tests will consist of 10 questions relevant for the respective practice course.