

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

Policy

Title: Medication Calculation Testing in Undergraduate Practicum Courses	
UPC Review & Approval Date: April 26, 2017; March 2021; April 2023	Executive Committee Date: May 2017; March 2021; May 2023
SON Council Decision Date: June 2017; April 2021; May 2023	
Effective Date: September 2017; September 2021; September 2023	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. Accurate medication calculations contribute to patient safety. 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>Responsibilities:</p> <p>Students must refrain from preparing or administering medications if they have not achieved the respective standardized passing grade.</p> <p>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.</p> <p>Clinical Course Directors (CCDs) and students must read, become familiar with, and follow this policy and its associated processes.</p> <p>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 with an associated practicum in all undergraduate programs. 2. The first medication calculation test will be administered in the first few weeks of a relevant practicum course. 3. The use of a non-programmable, non-communicating calculator is permitted. 4. The passing grade for all Integrated Practicum courses is 100%. The standardized passing grade for all other associated practicum courses is 90%. 5. Students who fail to achieve the respective standardized passing grade will begin remediation. 6. Students who do not pass the first writing of the Medication Calculation Test will engage 	

in remediation strategies. After 3 attempts, students who do not pass will be referred to the Course Director.

7. The medication calculation tests will consist of 10 questions relevant for the respective practicum course.