

SafeMedicate Process NG345: Foundations of Professional Nursing Practice

The safeMedicate program will be integrated into the Brenau University NG345 course to enhance students' knowledge and ability to apply foundational skills for dosage calculation problems. Self-study modules and practice quizzes will be utilized in collaboration with dosage calculation class instruction. Assessments will be given throughout the semester to evaluate students.

safeMedicate assignments will count as 5% of the students overall NG345 course grade. Students will earn points based on percent of module completion, practice test scores, and exam scores (outlined in the evaluation section in table below). Late assignments will receive 10% deduction of points per day (as stated in the course syllabus).

Students must earn 90% on the safeMedicate Final Math Exam in order to pass the course, as outlined in the NG345 Course Syllabus. The safeMedicate Final Math Exam **will not** count towards the exam average for the NG345 course.

Process Map:



1. Self-Study Modules to be completed as assigned throughout the semester	Evaluation
a. Foundation Numeracy Assessment	Students scoring less than 90% must meet with course instructor
b. <i>fns</i> Essential Skills Modules (approx. 4 hours): <ul style="list-style-type: none"> ● Introduction ● Prescriptions and S.I. Units ● Tablets and Capsules ● Liquid Medications ● Injections ● IV Infusions ● Practice Your Skills: Choose: <ul style="list-style-type: none"> ○ Authentic Diagnostic Assessment ○ After every question ○ Adult ○ Tablets, Capsules, Liquid Medications, Injections, IV Infusions 	Students must complete 100% of each module [including the practice your skills] to earn credit. Each module completed at 100% earns 6.25points. [no partial credit]
c. <i>fns</i> Body Weight and Body Surface Area Calculations (approx. 1.5 hours): Introduction <ul style="list-style-type: none"> ● Single Dose ● Daily Divided Dose ● Practice Your Skills: Choose: <ul style="list-style-type: none"> ○ Authentic Diagnostic Assessment ○ After every question ○ Adult ○ Liquid Medicines, Injections, IV Infusions 	Students must complete 100% of each module [including the practice your skills] to earn credit. Each module completed at 100% earns 6.25points. [no partial credit] Body Surface Area is optional [no points associated with completion]
d. <i>fns</i> Injectable Medicine Therapy (approx. 1.5 hours): <ul style="list-style-type: none"> ● Introduction ● Slow IV Injections ● Intermittent Infusions ● Continuous Infusions ● Practice Your Skills: Choose: <ul style="list-style-type: none"> ○ Authentic Diagnostic Assessment ○ After every question ○ Adult ○ Slow IV Injections, Intermittent Infusions, Continuous Infusions 	Students must complete 100% of each module to earn credit. Each module completed at 100% earns 6.25points. [no partial credit]
2. Practice Tests to be completed as assigned throughout the semester	Each practice test is 25 points.
a. Practice Test 1 [3 minutes per question]	

b. Practice Test 2 [3 minutes per question]	Points earned is based on the total percentage correct [conceptual, calculation, and technical] Students scoring less than 90% must meet with course instructor
c. Practice Test 3 [3 minutes per question]	
d. Practice Test 4 [3 minutes per question]	
3. Math Exams [proctored] a. Math Exam 1 [3 minutes per question] b. Math Exam 2 [3 minutes per question]	Each Math Exam is 100 points. Points earned is based on the total percentage correct [conceptual, calculation, and technical] Students scoring less than 90% must meet with course instructor
4. Math Final Exam [proctored] [3 minutes per question] All students must achieve 90% on the Math Final Exam to pass NG345.	The Math Final Exam is 100 points. Points earned is based on the percentage correct for calculation and technical only.

Remediation Process:

1. **Foundation Numeracy Assessment:** If less than 90% then faculty will review results with learner and recommend basic math resources.
2. **Math Exams 1, 2, and Math Final Exam (Authentic Diagnostic Assessments):** If less than 90% then faculty will review results with the learner and develop an individualized remediation plan which may include returning to the learning environment and taking additional practice assessments.

Preparing for Second Semester Math Exam:

1. During the first week of second semester, students will be required to take a math exam (Clinical Math Exam) and must earn 100% in order to attend clinical. The math exam will not contain any new information. The content on the exam is similar to the NG345 Math final. The exam will contain 20 questions and students will have one hour to complete the exam.
2. To prepare for this exam, it is highly recommend that students practice, practice, practice!
 - a. Please review:
 - i. *fns* Essential Skills Modules
 - ii. *fns* Body Weight Calculation Modules
 - iii. *fns* Injectable Medicines Therapy
 - iv. All practice tests taken during NG345
 - v. Final Math exam (*will be released at end of semester*)
3. The Clinical Math exam for NG306 will be tested in what is called the “Authentic Assessment”. There will be a practice exam for students to take in the Authentic Assessment mode to help prepare students. The **Practice Test 1** availability will be given at the end of first semester. This practice test will count towards the NG306 course grade. It is highly recommended for students to practice quizzes in the "Authentic Mode" prior to taking the NG 306 **Practice Test 1**. Instead of choosing "Authentic Diagnostic Assessment", choose “Authentic Assessment” when setting up your own “Practice Your Skills” quizzes.
4. If you have any questions, please contact Dr. Stewart