

**LAKEHEAD UNIVERSITY**

**Math 1135 FA**

**Mathematics for Nursing I**

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**TEXT:** Basic College Mathematics – An Applied Approach, Aufmann/Barker/Lockwood  
Ninth Edition

**Subject Description:**

This subject is designed to provide students with the principals of mathematics, both mechanics and applications in relation to whole numbers, common fractions, decimal fractions, ratio and proportion, percent and measurements in both the English and Metric systems. The students will learn how to correctly use a calculator for the mechanics and apply the skill to solving problems in the health field.

**TOPICS:**

**Numerical:**

- a) Whole Numbers
- b) Common Fractions
- c) Decimals

**Ratio and Proportion & Percent:**

- a) Ratio and Proportion
- b) Introduction to Percent
- c) Calculations
- d) Applications
- e) Conversions

**Measurements:**

- a) English System (Mechanics and Applications)
- b) Metric System (Mechanics and Applications)
- c) Dosage Calculations
- d) Temperature

**Evaluation:**

- |    |                                      |            |
|----|--------------------------------------|------------|
| a) | Test #1 Numerical                    | 20%        |
| b) | Test #2 Ratio & Proportion & Percent | 20%        |
| c) | Test #3 Measurement                  | 20%        |
| d) | Final Exams (Covers entire course)   | <u>40%</u> |
|    |                                      | 100%       |