Math for Health Professionals (MATH 2123)
Credit by Exam – Study Guide

• Must make a **90% or higher** to receive course credit
• 3-hour test
• 50 fill-in-the-blank questions
• Test is on BlackBoard
• Simple (4-function) calculator is allowed

1. Know medical terminology concerning medication administration, such as the meaning of po, bid, qd, hs etc.

2. Be familiar with the apothecary system.

3. Be familiar with Roman Numerals and be able to convert from Arabic to Roman Numeral.

4. Be familiar with conversions, such as kg to lbs, mg to g, mg to mcg, mcg to g, and ml to L.

6. Be familiar with conversion of percent to decimal and decimal to percent.

7. Be familiar of conversion of household measurements, such as tsp to Tbsp, ml to oz, and ml to tsp.

8. Be familiar with conversion of grain (gr) to mg and mg to gr.

9. Be familiar with calculating IV flow rates in gtts per minute, ml per hour, calculating drip rates using drop factor of IV tubing, and adjusting rates to complete infusions on time.

10. Be familiar with calculating dosages in mg, units, mcg such as oral dosing, injections.

11. Know how to add, subtract, multiply, and divide fractions.

12. Know how to read medication labels to calculate dosages.

13. Know how to calculate safe pediatric dosages.