MOHAWK VALLEY COMMUNITY COLLEGE, UTICA-ROME, NY

Nursing

COURSE OUTLINE

1. COURSE DESCRIPTION:

**NU111 Nursing Pharmacotherapeutics I** C-2, Cr-1

This course introduces the concepts pertaining to the pharmacodynamics and pharmacokinetics of medications and dosage calculation for medication administration.

**Prerequisites:** Required math course.

**Corequisites:** NU101 Fundamentals of Nursing

1. STUDENT LEARNING OUTCOMES

**Upon completion of this course the student will be able to:**

1. Demonstrate accuracy in interpreting medication labels and medication orders.
2. Demonstrate methods of calculations for various forms of medications based on ordered dosages.
3. Demonstrate conversions of multiple systems of measurements.
4. Identify the correct use of syringes and distinguish appropriate volumes.
5. Determine the reconstitution and calculations of powered medications.
6. Perform IV flow rate calculations.
7. Identify the principles of safe drug administration.
8. Discuss the principles of pharmacotherapeutics using the nursing process.
9. MAJOR TOPICS:
10. Safe Dosage
11. Medication Administration
12. Oral Medications
13. Injectable Medications
14. Powdered Medications
15. Parenteral (IV) Medications
16. Dosages by Weight
17. Pediatric Medications
18. Critical Care Medications
19. Case Studies