**MOHAWK VALLEY COMMUNITY COLLEGE, UTICA-ROME, NY**

**SCHOOL OF HEALTH SCIENCES**

**COURSE OUTLINE**

**NU111 – Nursing Pharmacotherapeutics 1**

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| --- | --- | --- | --- | --- | --- | --- |
| **Total Credit Hours** | **Didactic Credit Hours** | **Didactic Contact Hours** | **Lab Credit Hours** | **Lab Contact Hours** | **Clinical Credit Hours** | **Clinical Contact Hours.** |
| **1** | **1** | **1** |  |  |  |  |

**COURSE-SPECIFIC PREREQUISITES/CO-REQUISITES**

**Prerequisites**

* Required Math Course

**Co-requisites**

* NU101 Fundamentals of Nursing

**COURSE DESCRIPTION**

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

**COURSE OBJECTIVES/OUTCOMES**

Upon successful 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.

**METHODS OF EVALUATION (including information regarding how each contributes to the overall course grade)**

The course outcomes will be evaluated based on the following methods:

* Quizzes – (5) 50%
* Comprehensive Final Exam – 50%

A passing grade for the NU111 course is dependent on satisfactory completion of **all** course requirements.

**TOPICAL OUTLINE FOR COURSE CONTENT**

* Safe Dosage
* Medication Administration
* Oral Medications
* Injectable Medications
* Powdered Medications
* Parenteral (IV) Medications
* Dosages by Weight
* Pediatric Medications
* Critical Care Medications
* Case Studies

The Associate in Applied Science (AAS) Nursing Program at Mohawk Valley Community College at the Utica Campus, located in Utica, New York, is accredited by: Accreditation Commission for Education in Nursing (ACEN) (3390 Peachtree Road, NE, Suite 1400, Atlanta, Georgia 30326. Telephone: 404-975-5000, Fax: 404-975-5020, website: www.acenursing.org, email: [info@acenursing.org](mailto:info@acenursing.org)),  The most recent accreditation decision made by the ACEN Board of Commissioners for the Associate in Applied Science (A.S.S.) degree nursing program is Continuing Accreditation.  The nursing program is registered by the New York State Education Department, Office of the Professions.