Pharmacology

Ralph R. Willis Career and Technical Center
Logan-Mingo School of Nursing
Logan, WV  25701
304-752-4689
COURSE DESCRIPTION:

This course is designed to present theory related to drug classification and application to disease conditions. Drug preparation and its legal implications are stressed. This focus serves as a basis on which the student can build when drug classifications, actions and nursing implications are presented in other units such as Geriatrics, Pediatrics, Obstetrics, and Medical-Surgical Nursing.

COURSE HOURS: 78 Hours

INSTRUCTOR: Lisa Perry, RN/Melissa Perry, RN
Logan Mingo School of Nursing
PO Box 1747
Logan, WV  25601
Office Hours: As needed M-F: 8:00 am-3:30 pm
Office Phone: 304/752-4687 Ext. 2225/2224
E-mail: laperry@k12.wv.us/miperry@k12.wv.us

COURSE OBJECTIVES:

To provide students with a clear, concise introduction to pharmacology and the nurse’s responsibility in safely administering pharmacologic agents as they apply to human diseases. Drug therapy is one of the most important and complicated treatment modalities in modern health care. This course prepares the nurse to meet the challenges of the 21st century by promoting critical thinking and problem solving when administering.

TEACHING-LEARNING STRATEGIES:

Learning exercises and discussions will provide knowledge strategies to enhance assigned reading. Assigned papers, projects, case studies, workbook assignments, animations, image banks, journals, power point, objectives, quizzes, exams, and class participation will measure student learning.
METHODS OF INSTRUCTION:
Lecture/discussion
Student participation
Computer activities
Video clips
NCLEX style questions
Power point
Case Studies
Workbook
Pre lecture quizzes
Journal articles
Learning objectives
Procedure checklist
Image bank
Animations
Guest Speaker
Tests, quizzes and exams

TEXTBOOK:

CLASS HOURS:
Monday – Friday 7:45am-3:00 pm

COURSE REQUIREMENTS:
Minimum of "C" average to pass the course. The average will be calculated based on the weight of each assignment:

Exams are 60%, Quizzes are 10% and the Final Exam is 30%

STUDENTS WILL BE REQUIRED TO TAKE A MEDICAL MATH CALCULATIONS EXAM AND PASS WITH A 100% AVERAGE.
*** Simple calculators will be allowed, but the student must bring their own.
   No cell phones may be used as calculator.***

DRUG CARDS WILL BE REQUIRED.
**DRUG CARD REQUIREMENTS:**

Drug cards will be turned in on a 3 x 5 or 4 x 6 note card. It must be handwritten in black in or typed. Information required on each card will be:
- Drug name (trade)
- Drug name (generic)
- Classification
- Uses for
- Side effects
- Usual Adult Dosage

**GRADING SCALE:**

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>93 - 100</td>
<td>A</td>
</tr>
<tr>
<td>86 - 92</td>
<td>B</td>
</tr>
<tr>
<td>80 - 85</td>
<td>C</td>
</tr>
<tr>
<td>79 and below</td>
<td>Failing</td>
</tr>
</tbody>
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**CLASS POLICIES:**

1. **Class Attendance & Participation:** Attendance at classes is expected. Students are responsible for all class content, materials, and assignments. Refer to handbook for attendance policy.

2. **Late assignments:** Late assignments will **not** be accepted.

3. It is the responsibility of the student to ask the instructor to schedule a time for any make up test they may have missed. If you miss an exam, you are expected to make it up the day you RETURN to class.

4. Basic rules of politeness and respect are expected.

5. Follow all policies listed in your student handbook.

6. Logan Mingo School of Nursing will not tolerate academic dishonesty of any kind. Academic dishonesty is defined as, but not limited to:

   **I. CHEATING**
   
   a. Unauthorized use of any materials, notes, sources of information, study aids or tools during an academic exercise. No cell phones, palm computers or hats allowed during exams. Calculators will be allowed, if necessary.

   b. Unauthorized assistance of a person, other than the course instructor during an academic exercise. This includes text messaging, PDA’s, etc during exams.
c. Unauthorized viewing of another person’s work during an academic exercise.

d. Unauthorized securing of all or any part of assignments or examinations in advance of the submission by the instructor.

II. FABRICATION/FALSIFICATION:
The unauthorized invention or the alteration of any information, citation, data, or nursing case study.

III. PLAGIARISM:
Submitting as one’s own work or creation any material or an idea wholly or in part created by another. This includes, but is not limited to:

a. Oral, written and graphical material  
b. Both published and unpublished work  
c. Any material(s) downloaded from the internet

It is the student’s responsibility to clearly distinguish their own work from that created by others. This includes proper use of quotation marks, paraphrase and the citation of the original source. Students are responsible for both intentional and unintentional acts of plagiarism.

IV. BRIBES/FAVORS/THREATS
Attempting to unfairly influence a course grade or the satisfaction of degree requirements through any of these actions is prohibited.

V. COMPLICITY:
Helping or attempting to help someone commit an act of academic dishonesty. In other words, knowing someone is cheating and not disclosing the information to an instructor.
Course Content
Systems of Measurement
The Metric System
Dosage Calculation
Legal Aspects
Medication Preparations and Actions
Prescribed Medications
Interactions Between Food and Medications
Interactions Between Drugs
Introduction the Drug Classifications
Antibiotics and Other Anti-Infective Agents
Medications That Affect the Integumentary System
Medications That Affect the Nervous System
Medications That Affect Endocrine System
Medications That Affect the Sensory System
Medication That Affect the Cardiovascular System
Medications That Affect the Blood
Antineoplastic Medications
Medications That Affect the Immune System
Medications That Affect the Respiratory System
Medications That Affect the Gastrointestinal System
Medications That Affect the Urinary System
Medications That Affect the Reproductive System
Preparation for Administration
Safety
General Principles of Medication Administration
Enteral Administration Methods
Parenteral Administration Methods
Syringes and Needles
Preparations
Intradermal Injections
Subcutaneous Injections
Intramuscular Injections
Intravenous Administration
Administration of Intravenous Medications
Venipuncture

All work is to be turned in at the beginning of class. **No late work will be accepted.** Please make sure you have your name and assignment listed on the paper. Quizzes, homework and written assignments can be given at ANY time.