

## **REGISTERED NURSING PROGRAM**

### **NURSING 83P - PHARMACOLOGY III**

# **SYLLABUS**

#### **UNITS:**

1.5 units of theory

#### **PREREQUISITES FOR REGISTERED NURSING PROGRAM:**

Nursing 82 and Nursing 82L, Nursing 82P  
Co-requisites: Nursing 83PL

#### **FOREWORD:**

Pharmacology III is a quarter long course with the focus on pharmacology related to the maternal and child populations. Legal/ethical issues and safety principles will be stressed as an integral part of nursing practice. Teaching/learning principles with regard to medication administration will be included. Concepts on venipuncture will be provided.

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**COURSE OBJECTIVES:**

1. Apply principles of medication therapy in meeting health deviation self care requisites.

**Theory Objectives**

- 1.1 Review principles of medication therapy related to selected health deviations commonly seen with the pediatric and maternity population.
- 1.2 Emphasize principles of venipuncture related to infection processes.

2. Examine the role of the nurse in pharmacology.

**Theory Objectives**

- 2.1 Identify client variables that alter medication response.
  - 2.11 age
  - 2.12 culture
  - 2.13 weight
  - 2.14 lab values
  - 2.15 pregnancy
  - 2.16 allergies
- 2.2 Identify the role of the LVN versus the role of the RN with pharmacology
  - 2.21 venipuncture
  - 2.22 blood withdrawal
  - 2.23 intravenous therapy

3. Examine the legal-ethical implications to medication therapy.

**Theory Objectives**

- 3.1 Evaluate the legal aspects of venipuncture and blood withdrawal.
  - 3.11 safety
  - 3.12 complications
- 3.2 Discuss ethical dilemmas in medication administration with the pediatric and maternity population.
  - 3.21 misuse and abuse
  - 3.22 rights versus safety
  - 3.23 euthanasia
  - 3.24 pain and suffering, taking into consideration differences in verbalizing pain, accepting of pain-relieving modalities, and the role of the nurse in pain management when dealing with clients from various cultures, genders, socioeconomic groups and age groups.

4. Relate medication therapy to the nursing process in meeting self-care requisites.

**Theory Objectives**

- 4.1 Demonstrate the application of each component of the nursing process in medication administration.
  - 4.11 assessment
  - 4.12 nursing diagnosis
  - 4.13 goals
  - 4.14 interventions
  - 4.15 evaluation/modification
  
- 4.2 Describe methods to enhance patient compliance and independence
  - 4.21 develop a teaching plan, taking into consideration client ability to read, language of communication, age, culture and inclusion of significant members/others
  - 4.22 presentation of information to patient or family member
  
- 4.3 Utilize QSEN principles when administering and/or teaching clients about medications

**THEORY TOPICAL OUTLINE:**

**WEEK 1**

1. Medications commonly utilized with the health deviations focusing on pediatric and maternity clients.
  - 1.1 antianemics
  - 1.2 bronchodilators
  - 1.3 vaccinations
2. Calculation of medications for administration to pediatric populations.
3. Discuss the role of the nurse in medication administration.
4. Legal/ethical concerns with the medications being discussed.

**WEEK 2**

1. Medications commonly utilized with the health deviations focusing on pediatric and maternity clients.
  - 1.1 Intravenous therapies and blood withdrawal
    - 1.11 equipment
    - 1.12 preparation
    - 1.13 procedure
    - 1.14 complications
    - 1.15 advanced vascular access
    - 1.16 practice in the skills lab
    - 1.17 venipuncture and blood withdrawal on mannequin arms
2. Discuss the role of the nurse in medication administration
3. Legal/ethical concerns with the medications being discussed.

**WEEK 3**

1. Medications commonly utilized with the health deviations focusing on pediatric and maternity clients.
  - 1.1 neoplastics
  - 1.2 antiemetics
  - 1.3 non opioid and opioid analgesics
  - 1.4 vitamins
2. Discuss the role of the nurse in medication administration
3. Legal/ethical concerns with the medications being discussed.

**WEEK 4**

1. Medications commonly utilized with the health deviations focusing on pediatric and maternity clients.
  - 1.1 antidiarrheals
  - 1.2 laxatives
  - 1.3 antiflatulents
2. Discuss the role of the nurse with administration of these medications
3. Discuss the legal/ethical concerns with administration of these medications

**WEEK 5**

1. Medications commonly utilized with the health deviations focusing on pediatric and maternity clients.
  - 1.1 uterine stimulants, relaxants, and lactation suppressants
  - 1.2 anti-inflammatory
  - 1.3 glucocorticoids
2. Discuss the role of the nurse with administration of these medications
3. Discuss the legal/ethical concerns with administration of these medications

**WEEK 6**

**MIDTERM EXAMINATION**

**WEEK 7**

1. Medications commonly utilized with the health deviations focusing on pediatric and maternity clients.
  - 1.1 blood/plasma replacement products
2. Discuss the role of the nurse with administration of these medications
3. Discuss the legal/ethical concerns with administration of these medications

**WEEK 8**

1. Medications commonly utilized with the health deviations focusing on pediatric and maternity clients.
  - 1.1 antiinfectives
  - 1.2 anticonvulsants
  - 1.3 sedatives/hypnotics
2. Discuss the role of the nurse with administration of these medications
2. Discuss the legal/ethical concerns with administration of these medications
- 3.

**WEEK 9**

1. Medications commonly utilized with the health deviations focusing on pediatric and maternity clients.
  - 1.1 anticholinergics
  - 1.2 antiarrhythmics
2. Discuss the role of the nurse with administration of these medications
3. Discuss the legal/ethical concerns with administration of these medications

**WEEK 10**

1. Medications commonly utilized with the health deviations focusing on pediatric and maternity clients.
  - 1.1 cardiotonics
  - 1.2 diuretics
2. Discuss the role of the nurse with administration of these medications
3. Discuss the legal/ethical concerns with administration of these medications

**WEEK 11**

**GROUP TEACHING PLAN PRESENTATIONS  
REVIEW FOR FINAL EXAMINATION**

**WEEK 12**

**FINAL EXAMINATION**

## **REFERENCES**

### **Required:**

1. Adams, Holland & Urban. (2014). *Pharmacology for Nurses- A Physiologic Approach*. 4<sup>th</sup> edition. St. Louis: Pearson.
2. Syllabus for Nursing 83P- Pharmacology III
3. A drug reference handbook
4. A medical/nursing dictionary

## **TESTS**

Specific dates for each test will be announced on the first day of the course.

1. All tests will be based on the theory objectives presented prior to testing; tests are designed to determine retention of previous learning and to demonstrate critical thinking/application skills.
2. Weekly quizzes, a group teaching plan presentation, a midterm exam, and one final exam will be given. The student must achieve 70% or better of the total points possible on the quizzes and exams in order to earn a "C". A grade of "C" is required to pass.
3. The grading scale based on the total points possible will be as follows:

A = 90-100%  
B = 80-89.99%  
C = 70-79.99%

## **STUDENT EXPECTATIONS:**

### **General**

1. Students are to be familiar with the published guidelines for performance and abide by the guidelines at all times.
2. Students are to read assigned material and be prepared for all classroom sessions. Assignments for classroom sessions for this course are included.
3. Students are expected to demonstrate retention of previously learned objectives and incorporate theory principles in all interacting.
4. Students are expected to transfer theory from required courses in the natural and behavioral sciences as well as speech and English into the applied science of nursing.
5. Students are responsible to initiate a conference with the instructor to determine "make-up" experiences for absences. Refer to green sheet for specific absence policy.