



## NURP 1103

**Division:** Career and Technical Education

**Department:** Allied Health

**Course:** NURP 1103

**Title:** Pharmacology

**Catalog Description:**

This course is a study of the fundamental principles of pharmacology, medication administration, and a review of math principles. The major focus of this course is identification of medicinal categories with the accompanying pharmacological actions, uses, precautions, and nursing implications. Students must have been accepted into the Practical Nursing program to enroll. This course is part of a required series to prepare students to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN).

**General Education Requirements:** N/A

**Semesters Offered:** TBA

**Credit/Time Requirement:** Credit: 2; Lecture: 1; Lab: 3

**Clock/Hour Requirements:** 60

**Offered for Non-Credit:** No

**Prerequisites:** N/A

**Corequisites:** N/A

**Justification:**

This course is an important component in the education of the practical nurse to understand the fundamental principles of pharmacology and drug administration when caring for the client. This course provides the pharmacology knowledge needed for the clinical components of NURP 1107 and NURP 1115. It has been approved as part of the nursing program by the State Board of Nursing. Components of the Susan Ferguson Service Model are incorporated throughout the course.

**Student Learning Outcomes:**

Upon successful completion of this course, students will be able to:

- describe the phases of drug action
- identify the "Rights" of drug administration
- describe the action of selected drugs in the body related to absorption, distribution, bio-transformation, and excretion
- identify nursing responsibilities related to preparation and administration of each class of drugs
- list the contradictions and adverse reactions of specific drugs and the indications for nursing
- identify the purpose, action, usual dosage, and method of administration of selected drugs or groups

of drugs that affect the functional needs of clients

- identify the information and instructions clients and their families need about their medications to take them safely
- translate medication orders correctly
- apply information related to pharmacology into the nursing process for clients throughout the lifespan
- demonstrate integrity and professional self awareness when administering medications.

### **Content:**

Students will study theory on the above objectives with related classroom activities to prepare the student for safe and responsible medication administration in preparation for clinical experience in various health care settings. The course will include client education and documentation and the practical nurse's role within the scope of practice as mandated by the Utah State Board of Nursing. Students will become familiar with the classes of drugs, as well as specific drugs, and the knowledge to administer them safely. Students will also become familiar with the resources available to obtain information on new and unfamiliar drugs.

### **General Education Outcomes:**

### **Applied Education Outcomes:**

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study. Students will learn through lecture on theory and practical application, the fundamental principles of pharmacology, medication administration, and review of math principles. A major focus is identification of medical categories, drug classification, and specific drug names. Instructors will observe students as they practice these skills and give oral and written feedback through exams and skill pass-offs.

2) Students will become aware of industry specific certification and develop skills sufficient to acquire the same.

Students will be aware of the theory and specific skills needed to pass the state NCLEX-PN, and to become a practical nurse. Instructors will assess student's knowledge of information through written tests and oral exchange in class and provide feedback to the student.

3) Students will demonstrate safe practices and awareness of potential hazards in their field of expertise.

Students will learn through lecture on theory and practical application, the need for hand washing, the Five Rights, safe medication, administration, and standard precautions. Instructors will observe students as they practice these skills and give oral feedback.

### **Key Performance Indicators:**

#### **In class:**

- Student progress will be evaluated by tests (60-65%), assignments (20-30%), and final exam (10-15%). Percentages are approximate.

- An overall score of 74% is required in order for a student to continue in the Practical Nursing program.

**Representative Text and/or Supplies:**

- Edmunds, Marilyn Winterton, *Introduction to Clinical Pharmacology*, current edition, Elsevier.
- Edmunds, Marilyn Winterton, *Introduction to Clinical Pharmacology Study Guide*, current edition, Elsevier.
- Hodgson, B.B. and Kizior, R.J., *Saunders Nursing Drug Handbook*, current edition, Elsevier.

**Optimum Class Size: 20**

**Maximum Class Size: 20**

**Signatures:**

I hereby submit this course syllabus:

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Amber Epling, MSN, Associate Professor

I hereby find this course consistent with the goals and resources of the Allied Health Department:

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Amber Epling, MSN, Associate Professor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

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Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

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Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

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Michelle Olsen, MLS, Campus Librarian (Richfield Campus)