



## 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 action, uses, precautions and nursing implications. Students must be accepted into the practical nursing program to enroll.

**General Education Requirements:** N/A

**Semesters Offered:** TBA

**Credit/Time Requirement:** Credit: 2; Lecture: 2; Lab: 0

**Clock/Hour Requirements:** 30

**Offered for Non-Credit:** No

**Prerequisites:** None

**Corequisites:** None

**Justification:**

This course has been accepted by Weber State University and other nursing programs in the state for those students who desire to further their nursing education and receive their Registered Nurse (RN) degree. It prepares students for this portion of the state Licensed Practical Nurse (LPN) licensing examination. It has also been approved by the State Board of Nursing and the Allied Health department advisory committee. Components of the Susan Ferguson Service Model are incorporated throughout the course. Pharmacology provides the basic knowledge used in all clinical components of the PN program.

**Student Learning Outcomes:**

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

- differentiate among the five branches of pharmacology
- 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 receive theory on the above objectives with related classroom activities to prepare the student for safe and responsible medication administration in preparation of 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:**

6) Apply computational skills to a variety of contexts.

Students must demonstrate ability to convert metric equivalents, household equivalents, and temperature equivalents when converting drug dosages, laboratory values, and medication administration.

8) Apply ethical reasoning to a variety of contexts.

Students will demonstrate knowledge of legal and ethical aspects, scope of practice, acquiring information from the written text, videos, and guest lectures through written exams and quizzes.

**Key Performance Indicators:**

**In class:**

- The student's final score will be based on: 80% tests, quizzes, and other assignments and 20% from the final exam.
- An overall score of 75% is required in order for a student to continue in the practical nursing program.

**Following class:**

- Students will successfully pass the National Council Licensure Examination for Practical Nurses (NCLEX-PN).

**Representative Text and/or Supplies:**

- M.K. Asperheim, *Pharmacology: An Introductory Text*, current edition, W.B. Saunders, Philadelphia.

**Optimum Class Size:** 20

**Maximum Class Size:** 24

**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)