



MASTER COURSE OUTLINE

Prepared By: Briana Ross

Date: October 2020

COURSE TITLE

Pharmacology for Allied Health

GENERAL COURSE INFORMATION

Dept.: HED

Course Num: 160

(Formerly:)

CIP Code: 51.0801

Intent Code: 21

Program Code: 567

Credits: 3

Total Contact Hrs Per Qtr.: 33

Lecture Hrs: 33

Lab Hrs: 0

Other Hrs: 0

Distribution Designation: General Elective GE

COURSE DESCRIPTION (as it will appear in the catalog)

This basic pharmacology course provides instruction on therapeutic action and major side effects of common drugs, principles of medication and dosage calculations for allied health pathways.

PREREQUISITES

MAP 117 or MATH 094

TEXTBOOK GUIDELINES

Chosen by the instructor in accordance with Allied Health pathway objectives.

COURSE LEARNING OUTCOMES

Upon successful completion of the course, students should be able to demonstrate the following knowledge or skills:

1. Accurately and quickly calculate appropriate medication doses and rates for oral and parenteral forms of medication.
2. Apply the 7 "rights" of medication administration.
3. Apply medication classifications and understand the body system affected by those medications.
4. Demonstrate an understanding of anaphylactic protocol.
5. Create a file of medication cards for common medications used in the clinical setting.
6. Identify appropriate injection sites.
7. Illustrate appropriate documentation of medication, dosage, and route.

INSTITUTIONAL OUTCOMES

IO1 Communication: Students will be able to demonstrate clear, effective communications with patients and members of the healthcare team in a variety of structured settings.

IO2 Quantitative Reasoning: Students will be able to reason mathematically using methods appropriate to the profession.

IO3 Human Relations/Workplace Skills: Students will demonstrate professional attitude and behavior when caring for patients and collaborating with other health care professionals at all times.

COURSE CONTENT OUTLINE

INTRODUCTION TO PHARMACOLOGY:

- Drug sources, schedules, and dosages
- Forms of drugs and how they act
- Legal, ethical, and cultural considerations
- The medication order
- Administration of nonparenteral medications
- Administration of parenteral medications

DRUGS, VITAMINS AND MINERALS, AND SUBSTANCE ABUSE:

- Antibiotic agents
- Antifungal, antiviral, and immunizing agents
- Antineoplastic agents
- Vitamins and minerals
- Psychotropic agents
- Substance abuse
- Reading medication labels

EFFECTS OF MEDICATIONS ON BODY SYSTEMS:

- Medications used for musculoskeletal system disorders
- Medications used for gastrointestinal system disorders
- Medications used for circulatory system disorder
- Medications that affect the respiratory system
- Medications used for urinary system disorders
- Medications used in treatment of endocrine system disorders
- Medications that affect the nervous system
- Medications that affect the reproductive system

DEPARTMENTAL GUIDELINES *(optional)*

Student must pass this course with a minimum 2.0 in order to be applied to degree completion.

PO5 should be assessed.

DIVISION CHAIR APPROVAL

DATE