

COURSE OUTLINE

Certified Medication Aide

Course Description

AH 120. Certified Medication Aide. 5 hours credit. Prerequisite: AH 122 with a "C" or better or Certified Nurse Aide for Kansas Nursing Homes. This course will enable the student to administer oral and topical medications in a safe and accurate manner in an adult care home. At completion of the course, the student is eligible to take the Kansas Nursing Home Medication Aide test which is required for work as a Certified Medication Aide.

Course Relevance

Medication aide certification prepares the student to begin a career in medication administration in an adult care facility under the supervision of a licensed nurse.

Required Materials

AH 120 Textbook:

Gauwitz, D. F. (2005). *Administering medications: Pharmacology for health careers* (5th ed.). Boston: McGraw Hill Higher Education.

Skidmore-Roth, L. (2005). *Mosby's 2005 nursing drug reference*. St. Louis: Elsevier Mosby.

Learning Outcomes

The intention is for the student to be able to

1. Apply the five rights of medication administration while dispensing medications to the elderly.
2. Observe for and report medication actions and side effects as they apply to various systems of the body.
3. Take the Kansas nursing home medication aide test upon the completion of this course.

Primary Learning PACT Skills that will be DEVELOPED and/or documented in this course

Through the student's involvement in this course, he/she will develop his/her ability in the following primary PACT skill areas:

1. Problem Solving
 - Through administration of various classifications of medications, the student will observe for the medication's actions and side-effects and take appropriate action.
2. Field Related Technologies
 - The student will develop safe drug administration skills for aging adults through supervised practice in a clinical setting.

Secondary skills (developed but not documented):

- Time Management
- Teamwork
- Listening
- Nonverbal Communication
- Effective Relationships
- Ethical Conduct
- Valuing Diversity

Major Summative Assessment Task(s)

These learning outcomes and the primary Learning PACT skills will be demonstrated by

1. Safely administering medication to a group of older adults utilizing the five rights of medication administration (problem solving rubric and field related technologies rubric)

Course Content

- I. Themes – Key recurring concepts that run throughout this course:
 - A. Safe and effective administration of medication to the elderly
 - B. Comparing the relationship between physical aging process and drug utilization
 - C. Legal implications of drug administration
- II. Issues – Key areas of conflict that must be understood in order to achieve the intended outcome:
 - A. Multiple pharmacopeias use in the aging adult
 - B. Compare the relationship between physical aging processes and drug utilization
 - C. Factors that influence medication effects on the various systems of the body
 - D. Attitudes about drugs
- III. Concepts – Key concepts that must be understood to address the issues:
 - A. Basic anatomy of the following systems: cardiovascular, urinary, respiratory, digestive, nervous, endocrine skin, eye, ears, reproductive, and musculoskeletal
 - B. Scope of practice, roles, and responsibilities of the medication aide
 - C. Legal implications of drug administration
 - D. Basic math, and weight & measures for safe medication administration
 - E. Common medical abbreviations
 - F. Factors that influence medication action and effects
 - G. The importance of continuing education for certification renewal
- IV. Skills/Competencies – Actions that are essential to achieve the course outcomes:
 - A. Administer medications as ordered safely and effectively without error utilizing the 5 rights of medication administration under the supervision of a licensed nurse
 1. Dressings, topical meds, soaks
 2. Ear drops or ointment
 3. Eye drops or ointment
 4. Oral medications
 5. Inhalers
 6. Skin patches
 7. Oxygen

8. Skin ointment, lotions
 9. Rectal suppositories
 10. Vaginal creams and suppositories
- B. Demonstrate appropriate documentation of medication administration and controlled drug record keeping
 - C. Describe the action, major side effects, safe administration techniques, and nursing observations related to the various drug classifications
 - D. Demonstrate techniques for infection control
 - E. Change dressings and bandages and apply medications to skin wounds using sterile and aseptic technique

Learning Units

- I. Role and responsibility of CMA and orientation to medications
- II. Drugs for cardiovascular and urinary systems
- III. Drugs for respiratory and gastrointestinal systems
- IV. Drugs for nervous and sensory systems, eye and ear
- V. Drugs for musculoskeletal, endocrine, and reproductive systems and skin
- VI. Antibiotics, antifungals, antineoplastic, vitamin, minerals, and herbs
- VII. Medications and the elderly
- VIII. Orientation and skills practice at a nursing facility

Learning Activities

Independent and collaborative learning activities will be assigned within and outside the classroom to assist the student to achieve the intended learning outcomes. The following teaching/learning activities will assist the student to achieve course outcomes: class lecture, audio-visual aids, class discussion, study guides, unit tests, essay, drug cards, and supervised clinical experience.

Grade Determination

The student will be graded on satisfactory completion of unit exams (with an average score of 75% or above to achieve a grade of "C" or above) and other assignments as directed by instructor. The student must receive a "Satisfactory" evaluation on clinical objectives in order to pass the course.