

# COURSE SYLLABUS

<b>LAST REVIEW</b>	Spring 2021
<b>COURSE TITLE</b>	Certified Medication Aide
<b>COURSE NUMBER</b>	ALHT 0106
<b>DIVISION</b>	Health Professions
<b>DEPARTMENT</b>	Allied Health
<b>CIP CODE</b>	51.3902
<b>CREDIT HOURS</b>	4
<b>CONTACT HOURS/WEEK</b>	Class: 3                      Lab/Clinical: 2
<b>PREREQUISITES</b>	None
<b>COURSE PLACEMENT</b>	Students must have an active Kansas Nurse Aid certification for the duration of the course.

Students must be 18 years old on the first day of class.

Students must meet the correct placement measure for this course. Information may be found at:

<https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html>

## COURSE DESCRIPTION

This course is designed that through academic training the student will be able to pass certain medications in the long-term care (LTC) community under the supervision of a Licensed Nurse. While in training, the certified medication aide student will pass medication in the LTC under the supervision of the instructor, who is a Registered Nurse. Once all academic and clinical training are completed, the student will take the state certification test. Kansas Department on Aging and Disability Services requires 75 hours for CMA. KCKCC requires 90 hours due to college credit requirements. Certified medication aides must complete 10 hours of continuing education every two years, per Kansas Department on Aging and Disability Services guidelines to continue passing medication. Students must pass a background check to complete the clinical portion of the course.

## TEXTBOOKS

<http://kckccbookstore.com/>

## **METHODS OF INSTRUCTION**

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom.

Methodology will be selected to best meet student needs.

## **COURSE OUTLINE**

- I. Role and Responsibilities of the medication aide
  - A. Administering medication safely and effectively
  - B. Know oneself and one's attitude toward drugs
  - C. Know legal implications of drug administration
- II. Pharmacodynamics
  - A. Factors that influence medication actions
  - B. Interaction with other medication
  - C. Toxic effects of medication
  - D. Medication affecting the elderly
- III. Available medication formulations
  - A. Solid dosage
  - B. Capsule
  - C. Prolonged action tablets or capsules
  - D. Sublingual
  - E. Liquid
  - F. Elixir
  - G. Suppository
  - H. Aerosol
  - I. Ointments/lotions
- IV. Common medical abbreviations
  - A. Medical abbreviations related to medication dosage
  - B. Medical abbreviations related to medications
- V. Mathematics, weights and measures
  - A. Metric system
  - B. Apothecaries
- VI. Drug standards and names
  - A. Brand name
  - B. Generic name
- VII. Resources for drug information
  - A. Physician's Desk Reference
  - B. Package brochure
  - C. Pharmacist
- VIII. Drugs affecting Cardiovascular System
  - A. Digoxin
  - B. Vasodilators
  - C. Anti-Hypertensives

- D. Ace inhibitors
- E. Anticoagulants
- IX. Drugs affecting Urinary System
  - A. Diuretics
  - B. Antispasmodics
  - C. Urinary anti-infective
- X. Drugs affecting Respiratory
  - A. Bronchodilators, Mast Cell Stabilizers
  - B. Mucolytics
  - C. Expectorants
  - D. Antitussives
  - E. Antihistamine, PO, intranasal
- XI. Drugs affecting Digestive System
  - A. Antacids
  - B. Vitamins
  - C. Minerals
  - D. Antiemetics
  - E. Antidiarrheal
- XII. Drugs affecting Central Nervous System
  - A. Cerebral Stimulants
  - B. Antidepressants
  - C. Analgesics (narcotics)
  - D. Analgesics-Antipyretics (non-narcotic)
  - E. Sedative/hypnotics
  - F. Placebos
- XIII. Drugs to treat Musculoskeletal Disorders
  - A. Anti-inflammatory
  - B. Muscle relaxants
  - C. Anti-hyperuricemics
  - D. Bone resorption inhibitors (biologics, SERMs, Biphosphonates)
- XIV. Drugs affecting the Endocrine System
  - A. Insulin
  - B. Hormones
  - C. Oral hypoglycemic medication
  - D. Steroids
- XV. Ophthalmic Otic medication
  - A. Eye drops
  - B. Ear drops
- XVI. Drugs affecting the Skin
  - A. Topical ointments and lotions
  - B. Medication patches

## **COURSE LEARNING OUTCOMES**

Upon successful completion of this course, the student will:

- A. Verbalize the legal, ethical, and current practice for the medication aide.
- B. Demonstrate proper communication techniques with the resident and health team members.
- C. Identify and demonstrate infection control practices.
- D. Demonstrate safe practice of drug administration by verbalizing pharmacodynamics forms in medications, common medical abbreviations, math, weight, and measures, drug standards, names, and resources for drug medication information.
- E. Identify the drugs and the affect on the following body systems: cardiovascular, urinary, respiratory, digestive, nervous, special senses, musculoskeletal, endocrine, and integumentary.
- F. Identify drugs and the effects on the body of anti-infective agents.
- G. Identify drugs and the effects on the body of vitamins, minerals, and herbs.
- H. Demonstrate the rights of medication administration and apply special considerations when giving meds to the elderly

## **ASSESSMENT OF COURSE LEARNING OUTCOMES**

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

## **COLLEGE POLICIES AND PROCEDURES**

*Student Handbook*

<https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf>

*College Catalog*

<https://www.kckcc.edu/academics/catalog/index.html>

*College Policies and Statements*

<https://www.kckcc.edu/about/policies-statements/index.html>

*Accessibility and Accommodations*

<https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html>.