SYLLABUS

DATE OF LAST REVIEW: 02/11/2013
CIP CODE: 51.3902
SEMESTER: Departmental Syllabus
COURSE TITLE: Certified Medication Aide
COURSE NUMBER: ALHT0106
CREDIT HOURS: 4
INSTRUCTOR: Departmental Syllabus
OFFICE LOCATION: Departmental Syllabus
CLASS HOURS: Departmental Syllabus
OFFICE HOURS: Departmental Syllabus
TELEPHONE: Departmental Syllabus
EMAIL: Departmental Syllabus

PREREQUISITE(S): Must pass the COMPASS reading test with a score of 65 or above or show completion of READ0091 or READ0092. High school diploma or GED required. A current nursing assistant certificate.

REQUIRED TEXT AND MATERIALS:
Please check with the KCKCC bookstore, http://www.kckccbookstore.com, for the required test for your particular class.

COURSE DESCRIPTION

This course is designed that through academic training the student will be able to pass medication under the supervision of a Licensed Registered Nurse or a Licensed Practical Nurse. While in training the certified medication aide student will pass medication under the supervision of the instructor, who is a Registered Nurse. The student will pass medication a long term facility. After training the student will take a state test. Upon successful completion of the state test the student will receive a certificate and be able to pass oral medication, instill ophthalmic drops, optic drops, insert suppositories, and apply topical medication. Kansas Department of Health Environment requires 75 hours for CMA. KCKCC requires 90 hours due to a college credit course. Certified medication aides must complete 10 hours of continuing education every two years, per Kansas Department Health Environment guidelines to continue passing medication.

METHOD 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, panels, conferencing, learning experiences, and performances outside the classroom, and performance. 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 a 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. Forms which medication is available  
   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  
   A. Dioxin  
   B. Nitrates  
   C. Hypertensive medication  
   D. Ace inhibitors  
   E. Anticoagulants  

IX. Drugs affecting Urinary System  
   A. Diuretics  
   B. Antispasmodics  
   C. Urinary anti-infective
X. Drugs affecting Respiratory
   A. Bronchidilators
   B. Expectorant
   C. Antitussive
   D. Antihistamine

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

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

EXPECTED LEARNER OUTCOMES:

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

COURSE COMPETENCIES:

The student will be able to verbalize the legal, ethical, and current practice for the medication aide.

1. The student will be able to provide a safe environment for the resident in long term care.
2. The student will be able to identify the role responsibilities of a medication aide.

The student will be able to demonstrate proper communication techniques with the resident and health team members.

3. The student will be able to demonstrate the proper verbal and nonverbal communication in health care.

The student will be able to identify and demonstrate infection control practices.

4. The student will be able to identify and demonstrate ways to prevent the transfer of infection.

The student will be able to 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.

5. The student will be able to define drug standards and explain how these standards are determined.
6. The student will be able to define pharmacology and pharmacodynamics.
7. The student will be able to explain the use of measurement and dose calculations and the metric system.
8. The student will be able to discuss pharmacodynamics
9. The student will be able to identify metric system, weights and measures.

The student will be able to identify the drugs and the affect on the following body systems: cardiovascular, urinary, respiratory, digestive, nervous, special senses, musculoskeletal, endocrine, reproductive, and integumentary.

10. The student will be able to explain the use of medication for the eye and ear, and side effects.
11. The student will be able to explain the use of cardiac medication and their side effects.

12. The student will be able to demonstrate how to administer respiratory medication to residents, and explain their side effects.
13. The student will be able to explain the use of medication for the gastrointestinal system, and their side effects.
14. The student will be able to explain the use of medication for the urinary system and the side effects.
15. The student will be able to explain the use of medication used for the reproductive system and their side effects.
16. The student will be able to explain the use of medication for the endocrine system and side effects.
17. The student will be able to explain the use of medication used for the musculoskeletal system and side effects.
18. The student will be able to explain the use of psychotropic drugs and side effects.
19. The student will be able to explain the use of antineoplastic drugs and side effects.
20. The student will be able to describe the reason a resident might receive parental medication. Know signs and symptoms of infiltration of parental medication and when to report infiltration to the charge nurse.
21. The student will be able to identify medication affecting the cardiovascular system.
22. The student will be able to discuss medication affecting the urinary system.
23. The student will be able to recognize medication affecting the respiratory system.
24. The student will be able to recognize medication affecting the digestive system.
25. The student will be able to identify medication affecting the central nervous system.
26. The student will be able to discuss medication affecting the musculoskeletal system.
27. The student will be able to identify medication affecting the endocrine system.

The student will be able to identify drugs and the effects on the body of anti-infective agents.

28. The student will be able to explain the use of antibiotic and anti-fungal medication, and side effects.

The student will be able to identify drugs and the effects on the body of vitamins, minerals, and herbs.

29. The student will be able to explain the use of vitamins, minerals and herbs, and the effect vitamins, minerals, and herbs have on patients.

The student will be able to demonstrate proper administration of medication by accurate preparation, recording, and apply special considerations when giving meds to the elderly.

30. The student will be able to describe the use of medication therapy, and how medication therapy affects patients old and young.

ASSESSMENT OF LEARNER OUTCOMES
Student progress is evaluated by means that include, but are not limited to, exams, written assignments,

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is meant to provide an outline of the course and rules that the instructor will adhere to in evaluation the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome at any time.

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Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding and tolerance.