Faculty is required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. MEDA COURSE NUMBER: 2135

NUMBER OF CREDITS: 3

COURSE TITLE: Pharmacology

CATALOG DESCRIPTION: Introduces pharmacological concepts and drug classifications as they apply to the diseases and disorders they are used to prevent and/or treat. Explores the effects of drugs on the different body systems.

AUDIENCE: Medical Assistant and Health Information Management Students

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
Area: by meeting the following competencies:
Area: by meeting the following competencies:
Area: by meeting the following competencies:

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: HC1151 – Body Structure & Function OR BIOL2201 – Human Anatomy & BIOL2202 – Human Physiology

LENGTH OF COURSE: 3 lecture hours weekly for one semester

THIS COURSE IS USUALLY OFFERED:
Every other year [ ] fall [ ] spring X summer [ ] undetermined [ ]

Four goals are emphasized in courses at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT: The student will gain knowledge in pharmacological concepts, drug classifications and drug effects on the body as the use of drugs for various diseases and disorders is explored.

2) THINKING SKILLS: This course will help students improve the effectiveness of their thinking skills as they build on knowledge learned in other courses (medical terminology, anatomy & physiology, disease conditions) to understand pharmacology content. Learning how to utilize drug reference books to access and apply information will also contribute to critical thinking ability.
3) COMMUNICATIONS SKILLS: This course will help students improve their oral and written communication skills through consistent use of appropriate verbal and nonverbal communication techniques in encounters with classmates and instructors. Opportunities will be given to participate in classroom and/or online discussions.

4) HUMAN DIVERSITY: This course will help students continue to recognize, understand, and appreciate human diversity in order to deal with patients in a nonjudgmental way. Individual differences such as age, gender and general health will be considered when discussing the use of drugs and their effects.

TOPICS TO BE COVERED: Drug sources and forms, the medication prescription/order, schedules of controlled substances. Indications and desired actions, routes, dosages, side effects and interactions of drugs from the drug classifications of antibiotics, antifungal agents, antivirals, immunizing agents, antineoplastic agents, vitamins/minerals/herbs, psychotropic drugs, and drugs used for disorders of the following body systems: musculoskeletal system, gastrointestinal system, cardiovascular system, respiratory system, urinary system, endocrine system, nervous system, and reproductive system. Patient and family education, special considerations for pediatric and elderly populations, and substance abuse.

LIST OF EXPECTED COURSE OUTCOMES:

1. Define common terminology used in pharmacology.
2. Discuss drug sources and forms.
3. Identify the parts of a medication order or prescription.
4. Discuss legal aspects of ordering and dispensing medications, and record keeping in the healthcare facility.
5. Understand the scheduling and regulation of controlled substances.
6. Utilize drug reference books to obtain accurate information about drugs.
7. Discuss indications and desired actions, routes, dosages and side effects of drugs from the classifications studied.
8. Explore interactions drugs may have with other drugs, foods and other substances.
9. Identify special considerations that apply to pharmacology for pediatric and elderly populations
10. Apply knowledge of drugs to determine appropriate patient/family education.

LEARNING/TEACHING TECHNIQUES used in the course are:

X Collaborative Learning  X Problem Solving
X Student Presentations  X Interactive Lectures
X Creative Projects  X Individual Coaching
X Lecture  X Films/Videos/Slides
Demonstrations  X Other (describe below)
Lab  -Online Discussion Forums

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

X Reading  X Tests  X Individual Projects
X Oral Presentations  X Worksheets  X Collaborative Projects
X Textbook Problems  X Papers  X Portfolio
EXPECTED STUDENT LEARNING OUTCOMES:

Students will master the fundamentals of the clinical aspect of medical assisting, including the performance of specific skills. See expected course outcomes.

All information is subject to revision

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or via your preferred Telecommunications Relay Service.

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An Affirmative Action Equal Opportunity Educator/Employer

Updated 1/12/15