Minnesota State College Southeast

MEDS 1610: Pharmacology

A. COURSE DESCRIPTION
   Credits: 2
   Lecture Hours/Week: 2
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None

   This course is designed specifically for students in allied health occupations including Health Unit Coordinator, Medical Receptionist, Medical Secretary, Medical Transcriptionist, Medical Coding Specialist. Students will learn to identify drugs by classification, characteristics of typical drugs, indications, most common side effects, precautions, contraindications, route of administration, generic and trade names. Students will gain knowledge of drug abbreviations and symbols which is required for accurate interpretation of physicians' orders. Medical terminology is essential to understand the pharmacology terminology introduced. (Prerequisite: MEDS1210 or concurrent) (2 credits: 2 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 05/05/2008 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Introduction to the history of pharmacology
   2. Introduction to specific body system medications
   3. Analysis of terminology common to pharmacology
   4. Focus on recognizing drug forms, routes of administration, and using medications therapeutically
D. LEARNING OUTCOMES (General)
   1. Demonstrate an understanding of the history of pharmacology
   2. Define historical pharmacological terms
   3. Write pharmacological terms
   4. Define pharmacological abbreviations
   5. Identify the differences between chemical, generic, and trade name drugs
   6. Define and name the four different drug sources
   7. Identify the difference between a solute and a solvent
   8. Identify the difference between an ointment and a cream
   9. List factors necessary for effective medication ingestion
  10. Identify the difference between a synergist and an antagonist
   11. Define specific medication dosages
   12. Identify the five main routes of drug administration
   13. List advantages and disadvantages of specific medication administration
   14. Identify four body cavities where instillation therapy may be used
   15. Identify the parts of a syringe
   16. List the rules of patient responsibility of safe drug administration
   17. Identify multiple pharmacology words, phrases, definitions, and abbreviations
   18. Define specific medical terminology
   19. Define measurements and dosage calculations
   20. Define measurement and dosage punctuation rules
   21. Understand prescription slips and labels
   22. Identify and use drug reference books
   23. Identify drug classifications and actions

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted