

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