

Dakota County Technical College

PNSG 1355: Pharmacology

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 1

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course introduces the study of medications and their uses. Students will learn the techniques needed for administration of medications. Students will master the mathematical skills necessary to accurately calculate drug dosages including the metric and apothecary systems. Prerequisites: HEAL 1150: Health Career Math and PNSG 1000: Foundations of Nursing Practice I

B. COURSE EFFECTIVE DATES: 08/26/2013 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. calculate dosage for medication administration for metric, apothecary and household systems
2. define pharmacology
3. define terms and abbreviations used in medication administration
4. demonstrate proper administration by IM injection
5. demonstrate proper administration by intradermal injection
6. demonstrate proper administration by subcutaneous injection
7. demonstrate proper administration of eye medications
8. demonstrate proper method for administering oral medications
9. describe equipment for parental administration of medication
10. describe medications used to treat cancer
11. describe protocol for reporting medication errors
12. describe responsibility for patient instruction and information
13. describe the use of hormones and steroids
14. describe the use of insulin and oral hypoglycemic
15. describe the use of medications related to body systems
16. describe the use of medications used to treat infections
17. describe use of medications used to treat neuro muscular conditions
18. describe use of medications used to treat respiratory conditions
19. discuss drug distribution systems
20. discuss immunologic and hematological agents
21. discuss the administration of topical medications
22. discuss the use of anti inflammatory, analgesic, and narcotic agents
23. discuss the use of anticoagulant therapy and medications used to treat cardio vascular conditions
24. discuss the use of diuretic agents
25. discuss the use of endocrine therapy
26. discuss the use of gastrointestinal dosages
27. explain considerations in giving medications to pediatric, pregnant, breastfeeding, or elderly patients
28. explain responsibility for controlled substances
29. follow procedure for working with controlled substances
30. identify classifications of medication orders
31. identify sites for parental administration of medication
32. list the six rights of medication administration
33. obtain 100% accuracy on medication test
34. prepare prescribed medication for oral administration
35. research drug names including use, action and side effects
36. use drug reference resources
37. use standard precautions

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted