

APPLIED PHARMACOLOGY

COURSE TITLE: MW 6420 APPLIED PHARMACOLOGY

Course hours: 25 hours (5 classes) each class is 5 hours

Course Description: This course will cover the use, preparation and effects of drugs relative to pregnancy, labor, birth, postpartum and the neonate

Course Objectives: Given pertinent information, supported by instructional resources, the student will be capable of performing a variety of related skills. In order to demonstrate mastery of these objectives, the student must respond correctly on instructor-revised evaluations, achieving a percentage of accuracy that meets the requirements for academic performance as published in the school catalog

Upon completion of the course, the student will be able to

MW 6420.01 give definition of terms as assigned

MW 6420.02 use Physician's Desk Reference to identify a selected list of drugs according to generic and proprietary names

MW 6420.03 use accepted abbreviations with complete accuracy

MW 6420.04 interpret a medication order with complete accuracy

MW 6420.05 interpret a prescription with complete accuracy

MW 6420.06 list factors influencing the dosage

MW 6420.07 demonstrate beginning skill in transcribing orders

MW 6420.08 list guidelines for safe administration of drugs

MW 6420.09 name four methods of administering drugs

MW 6420.10 define parenteral and explain types of parenteral methods of administering drugs

MW 6420.11 distinguish between a bacteriostatic and a bactericidal

MW 6420.12 identify local anti-infective agents

MW 6420.13 list characteristics of vitamins and minerals including function, source and symptoms of deficiencies

MW 6420.14 define and give examples of narrow and broad spectrum antibiotics

MW 6420.15 identify antibiotics that are unsafe for pregnancy and lactating women

MW 6420.16 identify side effects caused by specific antibiotics including reasons for the misuse of antibiotics

MW 6420.17 distinguish between therapeutic purpose and prophylactic purpose for administering antibiotics

MW 6420.18 explain the reasons for limited use of sulfonamides

MW 6420.19 explain contraindications of antihistamines

MW 6420.20 describe local anesthetics and their use

MW 6420.21 identify agents used to treat Candida infections

MW 6420.22 identify agents used to treat fungal infections

MW 6420.23 describe the action of astringents

MW 6420.24 explain the use of Terbutaline Sulfate (Brethine) in high risk pregnancies

MW 6420.25 identify drugs that affect the blood including Vitamin K

MW 6420.26 identify drugs that affect the central nervous system including, caffeine, Tylenol, alcohol and codeine, magnesium sulfate

MW 6420.27 identify drugs that affect the autonomic nervous system including Ergonovine Maleate (Ergotrate)

MW 6420.28 identify drug groups that affect the digestive system including antacids, digestants, carminatives, antinauseants, cathartics and antidiarrheals

MW 6420.29 name and give an example of each endocrine gland and it's function

MW 6420.30 identify four contraceptives that are commonly available including a discussion on side effects

MW 6420.31 Identify agents that promote ovulation

MW 6420.32 give an example of each diuretic including a discussion on the ability of the kidney to regulate output

MW 6420.33 identify oxytocic agents and their use including preparation, administering and precautions

MW 6420.34 identify drugs that are contraindicated for pregnancy and breastfeeding

MW 6420.35 demonstrate a complete knowledge of the Florida Midwifery Law and the use of any and all drugs to be used in the care of the midwifery client

MW 6420.36 demonstrate a complete knowledge of the proper procedures for administering drugs including amount, signs/symptoms of reactions and protocols for referral

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Required Texts: Physician's Desk Reference and Pharmacology by Asperheim

Class 1 Introduction Lecture Chapter 10

MW 6420.01 give definition of terms as assigned

MW 6420.02 use Physician's Desk Reference to identify a selected list of drugs according to generic and proprietary names

Chapter 14

MW 6420.03 use accepted abbreviations with complete accuracy

Chapter 13

MW 6420.04 interpret a medication order with complete accuracy

interpret a prescription with complete accuracy

MW 6420.05 list factors influencing the dosage

MW 6420.06 demonstrate beginning skill in transcribing orders

MW 6420.07

Class 2 Chapter 14

list guidelines for safe administration of drugs

MW 6420.08 name four methods of administering drugs

MW 6420.09 describe parenteral and explain types of parenteral methods of administering drugs

MW 6420.10 distinguish between a bacteriostatic and a bactericidal

MW 6420.10

MW 6420.11 identify local anti-infective agents

Chapter 15

MW 6420.12

Chapter 16

MW 6420.13 list characteristics of vitamins and minerals including function, source and symptoms deficiencies

Chapter 17

MW 6420.14 define and give examples of narrow and broad spectrum antibiotics

Class 3

Chapter 17

MW 6420.15 identify antibiotics that are unsafe for pregnancy and lactating women

MW 6420.16 identify side effects caused by specific antibiotics including reasons for the misuse of antibiotics

MW 6420.17 distinguish between therapeutic purpose and prophylactic purpose for administering antibiotics

Chapter 18

MW 6420.18 explain the reasons for limited use of sulfonamides

Chapter 19

MW 6420.19 explain contraindications of antihistamines

MW 6420.20 describe local anesthetics and their use

MW 6420.21 identify agents used to treat Candida infections

MW 6420.22 identify agents used to treat fungal infections

MW 6420.23 describe the action of astringents

Class 4

Chapter 19

MW 6420.24 explain the use of Terbutaline Sulfate (Brethine) in high risk pregnancies

MW 6420.25 identify drugs that affect the blood including Vitamin K

Chapter 23

MW 6420.26

identify drugs that affect the central nervous system including caffeine, Tylenol, alcohol, codeine and magnesium sulfate

Chapter 24

MW 6420.27

identify drugs that affect the autonomic nervous system including Ergonovine Maleate (Ergotrate)

Chapter 25

MW 6420.28

identify drug groups that affect the digestive system including antacids, digestants, carminatives, antinauseants, cathartics and antidiarrheals

Chapter 26

MW 6420.29

name and give an example of each endocrine gland and it's function

MW 6420.30

identify four contraceptives that are commonly available including a discussion on side effects

Class 5**Chapter 26**

MW 6420.31

Identify agents that promote ovulation

Chapter 27

MW 6420.32

give an example of each diuretic including a discussion on the ability of the kidney to regulate output

Chapter 29

MW 6420.33

identify oxytocic agents and their use including preparation, administering and precautions

Lecture

- MW 6420.34 identify drugs that are contraindicated for pregnancy and breastfeeding
- MW 6420.35 demonstrate a complete knowledge of the Florida Midwifery Law and the use of any and all drugs used in the care of the midwifery client
- MW 6420.36 demonstrate a complete knowledge of the proper procedures for administering drugs including amount, signs/symptoms of reactions and protocols for referrals