

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: PHARMACOLOGY

CODE NO.: DSW 203

PROGRAM: DEVELOPMENTAL SERVICES WORKER

AUTHOR: Shirley Davies

DATE: September 1992

APPROVED: *A. DePasario* DATE *Aug. 24/92*
CHAIRPERSON



Pharmacology

Week 1

- a) Introduction to pharmacology
- b) Definitions related to pharmacology
- c) Standards
- d) Definition of names for drugs

Text

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Week 2

- a) Canadian Laws governing drugs
- b) Terms associated with laws
- c) Implications of laws to worker
- d) Prescription/nonprescription drugs

Week 3

- a) Role of pharmacological team
- b) Common drug forms
- c) Factors determining the effects of drugs and drug interaction
- d) Routes of drug administration

pp 59-64

Week 4

- a) Drug interaction
- b) Pharmacokinetics
- c) Care and storage of drugs
- d) 5 R's
- e) Guidelines for safe administration

Lecture Handouts

Week 5

- a) Safety precautions for administering medications (principles of asepsis)
- b) Abbreviations
- c) Prescription
- d) Translating & transcribing doctor's orders
- e) Practicum

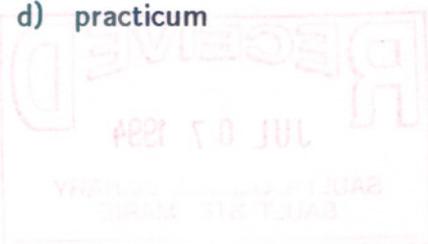
pp 60-61

Week 6

- a) Video-procedure for administering eye, ear, nose drops & sprays, suppositories, topical medications
- b) demonstration
- c) practicum

pp 69-70

(Handouts)



Week 7

- a) Midterm
- b) Practicum for administration of ear, nose, eye, suppositories topical medication

Week 8

- a) Systems of Measurements
- b) Conversions
- c) Ratio, proportion, math for meds
- d) Calculations of Drug Dosages
- e) Practicum

p 29

pp 33-43

Handouts

Week 9

Drugs Affecting Respiratory System

- a) Diagram, Functions of Respiratory System
- b) Use, action, pharmacokinetics, onset, duration of medication

pp 115-121

Vitamins, fat soluble, water soluble

- a) uses, action, sources

~~Drug study due~~
pp 75-81

Minerals

- b) uses, actions, sources

Week 10

Antibiotics & Antifungal, Antiviral Drugs

- a) Definitions
- b) Sulfonamides
- c) Penicillins
- d) Cephalosporins
- e) Tetracyclines
- f) Erythromycins
- g) Antifungals
- h) Antiviral

pp 97-99

pp 83-94

Week 11

Drugs Affecting the Nervous System

- a) Anatomy of nervous system
- b) Analgesic-narcotic, non-narcotic
- c) Sedatives and Hypnotics
- d) Anticonvulsants
- e) Antipsychotic drugs
- f) Antianxiety drugs
- g) In class practicum/administering and charting

Nov 25
drug study due
pp 139-160

Week 12

Drugs Affecting the Digestive System

- a) Anatomy of digestive system
- b) Drugs affecting the stomach
- c) Drugs affecting the intestines
- d) Discussion of drug abuse
- e) Practice of administering and charting

Math sheets due

pp 175 - 182

pp 231-233

Week 13

Drugs Affecting Circulatory System

- a) Anatomy of circulatory system
- b) Cardiotonic Glycosides-digoxin
- c) Arrhythmias
- d) Drugs affecting blood vessels
- e) Drugs affecting blood
- f) Antihypertensives
- g) Practice of administering or charting

Dec 9
math sheets
pp 132-141

Week 14

Final Theory

Week 15

In class practicum

N.B.

The instructor retains the right to make changes in the syllabus as deem necessary.

COURSE NAME**CODE NO.****EVALUATION METHODS: (INCLUDES ASSIGNMENTS, ATTENDANCE REQUIREMENTS ETC.)**

Drug Research	10%	A+	=	90-100%
Midterm	35%	A	=	85-89%
Final Exam	40%	B	=	80-84%
Attendance/ Participation	5%	C	=	70-79%
Math work sheets	10%	I	=	Incomplete
		R	=	Repeat

Practicum Tests

Please note: Students must attain 100% in the areas of transferring Doctor's orders to charts, as well as 100% in the class practicum on dispensing the medication in order to pass the course.

Academic Theory Test

70% passing grade is required in this course. One "make-up" test is available after the final exams for students not reaching an overall grade of 70% if they have achieved 100% on all practicum tests.

N.B. Because of the nature and seriousness of this course attendance is a must.

Syllabus: (6 hours per week)

Total credit hours 45

REQUIRED STUDENT RESOURCES

Pharmacology
AN INTRODUCTORY TEXT
Mary Kaye Asperheim
Seventh Edition

SPECIAL NOTES

Special Needs Note

Students with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.

All test papers are the property of Sault College.