

Sault College of Applied Arts and Technology

Course Outline

Course Title: PHARMACOLOGY

Code Number: DSW 203

Program: DEVELOPMENTAL SERVICES WORKER

Date: August 1991

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Approved K. DeJesusia
Dean

Aug 12 1991
Date



EVALUATION:

Students will be evaluated in the following manner:

Tests X 2	40%	A+= 90-100%
Drug Research	10%	A = 85-89%
Midterm	25%	B = 80-84%
Final Exam	25%	C = 70-79%
		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: (3 hours per week)

Week I:

- | | |
|--|--------------|
| a) Introduction to pharmacology | <u>Text:</u> |
| b) Definitions related to pharmacology | |
| c) Standards | pp 53-59 |
| d) Definition of names for drugs | |

Week II:

- | | |
|--|--------------|
| a) Canadian Laws governing drugs | <u>Text:</u> |
| b) Terms associated with laws | |
| c) Implications of laws to worker | pp 59-60 |
| d) Prescription/ nonprescription drugs | |

Week X:

- Antibiotics and Antifungal Drugs Text pp 90-101
pp 104-106
- a) Definitions
 - b) Sulfonamides
 - c) Penicillins
 - d) Broad and narrow spectrum antibiotics

Week XI:

- Drugs Affecting the Nervous System Text pp 143-156
pp 158-165
- a) Anatomy of nervous system
 - b) Analgesic-narcotic, non-narcotic
 - c) Sedatives and Hypnotics
 - d) Anticonvulsants
 - e) Antipsychotic drugs
 - f) Antianxiety drugs
 - g) Amphetamines

Week XII:

- a) Test #2
- b) In class practicum/ dispensing and charting

Week XIII:

- Drugs Affecting the Digestive System
- a) Anatomy of digestive system Text pp 184-195
 - b) Drugs affecting the stomach
 - c) Drugs affecting the intestines
 - d) Discussion of drug abuse
 - e) Practice of dispensing and charting

Week XIV:

- Drugs Affecting Circulatory System
- a) Anatomy of circulatory system Text pp 132-141
 - b) Cardiotonic Glycosides-digoxin
 - c) Arrhythmias
 - d) Drugs affecting blood vessels
 - e) Drugs affecting the blood
 - f) Practice of dispensing and charting

Week XV

In class practicum for dispensing and charting of medications

Week XVI

Final Theory Test

N.B.

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

Week III:

- a) Role of pharmacological team Text pp 61-65
- b) Common drug forms
- c) Factors determining the effects of drugs and drug interaction Text pp 68-73
- d) Routes of drug administration

Week IV:

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

Week V:

- a) Safety precautions for administering medications pp 65-67 Handouts
(principles of asepsis)
- b) Abbreviations
- c) Prescription
- d) Translating and transcribing doctor's orders
- e) Practicum

Week VI:

- a) Video-procedure for administering eye, ear, (pp 69-70) nose drops and sprays, suppositories, topical (Handouts) medications
- b) demonstration
- c) practicum

Week VII:

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

Week VIII:

- a) Systems of Measurements Text pp 29-38
- b) Conversions
- c) Ratio, proportion, math for meds pp 34-40
- d) Practicum pp 42-45 Handouts

Week IX:

- Drugs Affecting Respiratory System Text pp 81-85
- a) Diagram, Functions of Respiratory System (109-112)
 - b) Use, action, pharmacokinetics, onset, duration (122-129) of medication
- Vitamins, fat soluble, water soluble
- a) uses, action, sources
- Minerals
- b) uses, actions, sources

SPECIAL NEEDS NOTE

Students with special needs (eg. physical limitations, visual impairments, hearing impariments, 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.

