

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: PHARMACOLOGY _____

Code No.: DSW ~~109-3~~²⁰³ _____

Program: DEVELOPMENTAL SERVICES WORKER _____

Semester: III _____

Date: SEPTEMBER, 1986 _____

Author: GERRY PAGE _____

New: _____ Revision: _____ X

APPROVED: N. Koch N. KOCH
Chairperson

Aug. 18/86
Date

Instructor: Gerry Page

COURSE DESCRIPTION:

This course is designed to teach students proper procedures for the administration of medication. Students will learn how drugs react and interact including responsibilities for observing and recording the effects of drugs. Students will become familiar with drugs currently being utilized with the developmentally handicapped.

TERMINAL OBJECTIVES:

Upon completion of this course, the student will:

1. Have knowledge about the safe administration of drugs by various routes (i.e. oral, parental, rectal, topical, eyes, ear, and nose.) This includes skill in dosage calculations.
2. Have knowledge in the physiological action, reasons for use, adverse reactions and nursing implications.
3. Learn how to research drugs being given.
4. Know ways in which drugs can be metabolized and excreted by body.
5. Demonstrate the ability to interpret commonly used terminology and abbreviations related to the administration of therapeutic agents.
6. Demonstrate the ability to calculate drug dosage.
7. Know the responsibilities associated with the safe administration of therapeutic agents by various routes to patients of all ages.
8. Demonstrate the ability to transfer prescription orders onto the appropriate forms and the factors involved in recording the administration of therapeutic agents.
9. Know the principles of asepsis used during the procedures for administering therapeutic agents.
10. Demonstrate in a practical setting the dispensing of medication.

TEXTBOOK(S):

Pharmacology for Practical Nurses, Author: M.K. Aspermein, 5th Edition.

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EVALUATION:

Students will be evaluated in the following manner:

Random Tests	35%	A+ = 90 - 100%
Drug Research	10	A = 85 - 89
Mid-Term Exam	20	B = 80 - 84
Final Exam	25	C = 70 - 79
Attendance	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.

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

SYLLABUS: (3 hours per week)

WEEK I:

- a) Introduction to pharmacology
- b) Definitions related to pharmacology
- c) Standards Federal Drug Act (F.D.A.)

WEEK II:

- a) Prescription/nonprescription drugs
- b) Controlled drugs
- c) Alternatives to drug therapy

WEEK III:

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

WEEK IV:

- a) Routes of drug administration
- b) Procedure for care and storage of drugs
- c) The 5 R's of administering medication
- d) General guidelines & agency policies, i.e. medication

WEEK V:

- a) Standard abbreviations/translating & transcribing doctor's orders
- b) Practicum
- c) Legal implications

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WEEK VI:

- a) Procedure for administrating:
 - 1) eye drops
 - 2) ear drops
 - 3) nose drops & sprays
 - 4) suppositories
 - 5) topical medications

WEEK VII:

- a) Mid-term exam
- b) Continuation administration of drops, sprays, suppositories & topical medication

WEEK VIII:

- a) Mathematics for drugs, i.e. metric conversion
- b) Sample problems

WEEK IX:

- a) Use of drug references; C.P.S.
- b) Commonly used drugs in the field

WEEK X:

- a) Continuation of commonly used drugs in the field
- b) Teaching clients self-administration
- c) Medication errors & reporting procedures

WEEK XI:

- a) In class practicum/dispensing & charting
- b) Continuation of commonly used drugs

WEEK XII:

- a) In class practicum/dispensing & charting
- b) Review of general agency policy & procedures for dispensing medications

WEEK XIII:

- a) In class practicum/dispensing & charting
- b) Review of precautions & procedures for administrating medication

WEEK XIV:

- a) In class practicum for dispensing & charting medication

WEEK XV:

- a) Review

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WEEK XVI:

a) Final theory exam

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

GP:mk