

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ON**

**COURSE OUTLINE**

**COURSE TITLE: PHARMACOLOGY**

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**CODE NO.: DSW 203**

**SEMESTER: 4**

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**PROGRAM: DEVELOPMENTAL SERVICES WORKER**

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**AUTHOR: MARGARET HURTUBISE**

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**DATE: JAN./97**

**PREVIOUS OUTLINE DATED: SEPT./96**

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**APPROVED:**

*[Signature]*  
DEAN

*[Signature]*  
DATE

**TOTAL CREDITS: 4**

**PREREQUISITE(S): N/A**

**LENGTH OF COURSE: 15 WEEKS**

**TOTAL CREDIT HOURS: 45**



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**COURSE NAME**

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**CODE NO.****I. COURSE DESCRIPTION:**

This course will broaden the students' knowledge of specific drugs which may be administered by D.S.W. graduates. Students will also learn the basics of administering drugs, documentation and legalities governing the various drugs.

**II. LEARNING OUTCOMES:**

Upon successful completion of this course the student will:

1. Define key words related to pharmacology.
2. Briefly explain the Canadian laws governing various drugs.
3. Discuss the alternatives to drug therapy.
4. Explain common drug forms, effects of drugs and routes of administration.
5. Discuss and explain the various elements of drug administration.
6. Demonstrate accurate calculations for dosage of an oral medication.
7. Demonstrate the safe administration and charting for an oral medication (for medication permitted to be administered by a D.S.W. graduate).
8. State the action, uses, adverse reactions and special precautions for specified drugs.

**III. TOPICS:**

1. Introduction to Pharmacology
2. Alternatives to Drug Therapy
3. Drug Standards
4. Drug Names
5. Canadian Laws Governing Drugs
6. Common Drug Forms
7. Factors Influencing Drugs
8. Routes of Drug Administration
9. Pharmacokinetics
10. Mathematics for Administration of Medications
11. Administration of Medications
12. Vitamins and Minerals
13. Antibiotics, Antifungals, Antivirals, Antiparasitics, Sulfonamides
14. Drugs Affecting the Respiratory System
15. Drugs Affecting the Nervous System
16. Drugs Affecting the Digestive System

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 COURSE NAME

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 CODE NO.
**III. TOPICS (Continued)**

17. Drugs Affecting the Circulatory System
18. Drugs Affecting the Endocrine System
19. Diuretics and Urinary Antiseptics

**IV. REQUIRED RESOURCES/TEXTS/MATERIALS:**

Asperheim, M.K. 1996. Pharmacology: An Introductory Text. (8th Ed.). Toronto: W.B. Saunders Company.

**V. EVALUATION PROCESS/GRADING SYSTEM:**

A final grade will be derived as follows:

2 quizzes (Jan. 30 and Apr. 10)	20%
Midterm test (Feb. 20)	20%
Drug Assignment #1 (due Mar. 20)	10%
Drug Assignment #2 (due Apr. 10)	10%
Math worksheets (due Feb. 20)	10%
Final Exam (April 24)	30%
<b>TOTAL</b>	<b>100%</b>

Grading Scheme:

A+	=	90 - 100%	Outstanding Achievement
A	=	80 - 89%	Above Average Achievement
B	=	70 - 79%	Average Achievement
C	=	60 - 69%	Satisfactory Achievement
U			Unsatisfactory given at mid-term only
S			Satisfactory given at mid-term only
R			Repeat the course

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**COURSE NAME**

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**CODE NO.****V. EVALUATION PROCESS/GRADING SYSTEM (Continued)**

- X A temporary grade that is limited to instances where special circumstances have prevented the student from completing outcomes by the end of the semester. An "X" grade must have the Dean's approval and has a maximum time limit of 120 days.

Practicum:

All students must attain a Satisfactory in the areas of transferring doctor's orders to the MAR sheets, accurately administering medications and documenting the medications in order to pass the course with the mark attained from the tests and assignments described above.

**VI. SPECIAL NOTES:**

- Special Needs  
If you are a student with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities), you are encouraged to discuss required accommodations with the instructor and/or contact the Special Needs Office, Room E1204, Ext. 493, 717, 491 so that support services can be arranged for you.
- Retention of Course Outlines  
It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other post-secondary institutions.
- Disclaimer  
The professor reserves the right to modify the course as she/he deems necessary to meet the needs of the students.
- Plagiarism  
Students should refer to the definition of "academic dishonesty" in the "Statement of Student Rights and Responsibilities".

Students who engage in "academic dishonesty" will receive an automatic failure for the submission and/or such other penalty, up to and including expulsion from the course, as may be decided by the professor.

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**COURSE NAME**

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**CODE NO.****VI. SPECIAL NOTES (Continued)**

In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced and to credit the author of the material, it is the policy of this department to employ the documentation format for referencing source material used by the English Department of Sault College.

- Substitute Course Information is available at the Registrar's Office.
- Attendance  
Students are expected to attend all classes. Various handouts may be given out during class and students are responsible for keeping up with the material missed. The easiest way to do this, is to attend classes.

**VII. PRIOR LEARNING ASSESSMENT**

Students who wish to apply for advanced credit in the course should consult the instructor.

