

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: PIARMACOLOGY

CODE NO.: NUR116

SEMESTER: 2

PROGRAM: NURSING AND PRACTICAL NURSING

AUTHOR: VERA HOBBS AND FAYE SMEDLEY

DATE: JANUARY 1997

PREVIOUS OUTLINE DATED: JAN.96

APPROVED: 
DEAN

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DATE

TOTAL CREDITS: 1

PREREQUISITE(S): BIO108, NUR112

LENGTH OF COURSE: 2 HOURS A WEEK TOTAL CREDIT HOURS: 28 HOURS

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I. **COURSE DESCRIPTION:** This course provides the student with the opportunity to explore the concepts of pharmacology. The role of the nurse in the administration of medications is the emphasis. Pharmacotherapeutics, calculation of dosages, interactions of drugs, and psychosocial and legal aspects of medication use will be addressed in a variety of learning activities.

n. **LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

Upon successful completion of this course the student will demonstrate the ability to:

1) utilize the general principles of pharmacology.

- differentiate the processes involved in Pharmacology, Pharmacokinetics, Pharmacodynamics, and Pharmacotherapeutics.
- accurately calculate medication dosage problems.
- analyze errors in practical examples of medication administration.
- promote the use of safety practices in the administration of medications.
- justify the various levels of legislation and policy related to drug administration.
- use drug classification systems to prepare specific information about administering medications.
- design, implement, and evaluate health teaching related to drug use.

m. **TOPICS:**

- | | |
|-----------------------------|---|
| 1) Medication Terminology | 8) Medication Safety |
| 2) Calculation of Dosages | 9) Social, Cultural and Psychological Impacts on Medication Use |
| 3) Forms of Drugs | 10) Drugs for all Ages/Stages |
| 4) Routes of Administration | 11) Pharmacodynamics |
| 5) Health Teaching | 12) Pharmacokinetics |
| 6) Laws and Policies | 13) Pharmacotherapeutics |
| 7) Drug Classifications | 14) Nursing Responsibilities |

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IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

MacDermott, B., & Dealie, J. (1994). Understanding Basic Pharmacology: Practical Approaches for Effective Application. Canada: Login Brothers.

Skidmore-Roth, L. (1994). Mosby's 1995 Nursing Drug Reference. Toronto: C.V. Mosby Company.

College of Nurses of Ontario (1995). Medication Administration Guidelines for RNs and RPNs.

Pharmacology Student Resource Package, 1996-97.

V. EVALUATION PROCESS/GRADING SYSTEM:

Drug Study Project	30%
Final Exam	40%
(Dosage Calculations - 20%)	
(Pharmacology Knowledge - 20%)	
Learner Prep Submissions:	
#1 - #6	12%
2 of #7 - #10	10%
Written Class Participation	<u>8%</u>
TOTAL	100%

No supplemental exam will be offered.

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.

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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.

Substitute Course Information is available at the Registrar's Office.

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

Vn. PRIOR LEARNING ASSESSMENT

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