

**SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY  
SAULT STE MARIE, ON**



**COURSE OUTLINE**

**Course Title:**      Pharmacology

**Code No.**              NUR116                      Semester: 2

**Program**              Nursing and Practical Nursing

**Author:**      Mary Catherine Cameron, Vera Hobbs, Faye Smedley

**Date:**              January, 1998                      Previous Outline Date: 01/97

**Approved:**

  
Dean

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Date

**Total Credits;**

**Prerequisite(s):** BIO108, NUR112

**Length of Course:**      2 Hrs/Wk

**Total Credit Hours:** 28

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For additional information, please contact Donna Tremblay^ School of Health Seleneee, Hummn  
Sciences and Teacher Education, (705) 7S9-2S54, Ext. 690.**

## COURSE NAME

## CODE

**L PHILOSOPHY/GOALS:**

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

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

LiUey, L.L., Archer, R.S., Pharmacology and the Nursing Process.  
Canada. Mosby Company

Skidmore-Roth, L. (1995). 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,



