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:

ean // Date

Total Credits; Prerequisite(s): BIO108, NURI12

Length of Course: 2 Hrs/Wk Total Credit Hours: 28

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For additional infonnation, 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 mformation about administering medications.
 - design, implement, and evaluate health teaching related to drug use.

m. TOPICS:

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

IV. REQUIRED RESOURCES/TEXTS/MATEIOALS;

LiUey, L.L., Archer, R.S., <u>Pharmacology and the Nursing Process</u>. Canada. Mosby Company

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

College of Nurses of Ontario (1995). <u>Medication Administration Guidelines for RNs and RPNs.</u> Pharmacology Student Resource Package, 1996-97,

PHARMACOLOGY NUR116

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V. EVALUATION PROCESS/GRADING SYSTEM;

Mid-term test based on learning submissions
Drug Study Profile
Final Exam

30%
50%

(Dosage Calculations - 20%) (Pharmacology Knowledge - 30%)

TOTAL 100%

No supplemental exam will be offered.

VL 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 OfiBæ, Room El204, 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.
- 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.

VIL PRIOR LEARNING ASSESSMENT

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