



A POLYTECHNIC INSTITUTION

School of Health Sciences
Bachelor of Science in Nursing**NURS 1063**
Pharmacology 1

Start Date:	September 22, 2008	End Date:	December 12, 2008
Total Hours:	18	Total Weeks:	9
Hours/Week:	2	Term/Level:	1
		Course Credits:	1
		On-line:	2

Co requisites:

Course No.	Course Name
NURS 1030	Nursing Practicum 1

NURS 1063 is a prerequisite for:

Course No.	Course Name
NURS 1064	Pharmacology 2

■ Course Description (required)

This course presents introductory concepts and principles related to pharmacology. Drug classifications will be presented to assist the learners to appreciate the scope of pharmacological treatment and to sort, categorize and retrieve information about selected drugs. This course presents a rationale for understanding current drug therapy by focusing on the principles of nursing management in drug therapy along with the basics of core drug knowledge and patient related variables. This course also introduces students to on-line learning and interaction and assists students to improve computer literacy skills required for clinical practice.

■ Evaluation

On-line Participation	20 %	Comments: To successfully complete this course, the student must: 1. Actively participate in on-line discussions. 2. Complete all assignments and exams. 3. Achieve a final grade of 50 %.
On-line Quizzes	10 %	
Case Study	20 %	
Final Exam	50 %	
Total	100 %	

■ Course Learning Outcomes/Competencies

At the end of this course the student will be able to:

1. Apply knowledge of pharmacokinetics and pharmacodynamics to selected drug categories.
2. Use a drug classification system as an information source for selected drugs.
3. Explain assessments required when administering medications and monitoring patients for therapeutic drug effects, adverse reactions, toxicity, and drug interactions.
4. Apply selected pharmacological concepts and principles to patient situations.
5. Demonstrate on-line learning skills including accessing course materials and resources, and effective on-line interaction and communication.

■ **Verification**

I verify that the content of this course outline is current.

Authoring Instructor

Date

I verify that this course outline has been reviewed.

Program Head

Date

I verify that this course outline complies with BCIT policy.

Dean/Associate Dean

Date

Note: Should changes be required to the content of this course outline, students will be given reasonable notice.

■ **Instructor:**

Jim Hunter	Office Location: SE12-439	Office Phone: 604-432-8916
	Office Hours: By appointment	e-Mail Address: Jim_Hunter@bcit.ca

■ **Learning Resources**

Required:

1. Aschenbrenner, D. S. & Venable, S.J. (2008). *Drug therapy in nursing (3rd ed)*. New York: Lippincott.
2. Spratto, R.G. & Woods, A. L. (2008). *PDR nurse's drug handbook*. Thompson Delmar Learning: New York.

■ **Information for Students**

The following statements are in accordance with the BCIT Student Regulations Policy 5002. To review the full policy, please refer to: <http://www.bcit.ca/~presoff/5002.pdf>.

Attendance/Illness:

In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with his/her instructor or Program Head or Chief Instructor, indicating the reason for the absence. Prolonged illness of three or more consecutive days must have a BCIT medical certificate sent to the department. Excessive absence may result in failure or immediate withdrawal from the course or program.

Cheating, Fabrication, Plagiarism, and/or Dishonesty:

First Offense: Any student in the School of Health Sciences involved in an initial act of academic misconduct - cheating, fabrication, plagiarism, and/or dishonesty will receive a Zero (0) or Unsatisfactory (U) on the particular assignment and may receive a Zero (0) or Unsatisfactory (U) in the course, at the discretion of the Associate Dean.

Second Offense: Any student in the School of Health Sciences involved in a second act of academic misconduct - cheating, fabrication, plagiarism, and/or dishonesty will receive a Zero (0) or Unsatisfactory (U) on the particular assignment and may receive a Zero (0) or Unsatisfactory (U) in the course, and the Associate Dean will recommend to the BCIT Vice-President, Education and/or President, that the student be expelled from the program.

Attempts:

BCIT Nursing Program Student Guidelines, Policies and Procedures which are located online at <http://www.bcit.ca/health/nursing/> state: Applicants who have any combination of two instances of withdrawal or failure in a Nursing Theory course will be readmitted to the program "with written permission from the Associate Dean, who will detail any special considerations". Applicants, who have any combination of two instances of withdrawal or failure in any Nursing Practicum course for academic or performance reasons, will not be readmitted to the program.

■ **Information for Students (continued)**

Accommodation:

Any student who may require accommodation from BCIT because of a physical or mental disability should refer to BCIT's Policy on Accommodation for Students with Disabilities (Policy #4501), and contact BCIT's Disability Resource Centre (SW1-2300, 604-451-6963) at the earliest possible time. Requests for accommodation must be made to the Disability Resource Centre, and should not be made to a course instructor or Program area.

Any student who needs special assistance in the event of a medical emergency or building evacuation (either because of a disability or for any other reason) should also promptly inform their course instructor(s) and the Disability Resource Centre of their personal circumstances.

■ Learning Process Threads

- **Professionalism:** Students develop a knowledge base regarding pharmacology and the role of the professional nurse. They anticipate and prepare for potential clinical decision making situations. They explore cases and respond with sound clinical judgement.
- **Communication:** Students improve computer literacy by using Internet course materials and resources and by communicating through asynchronous discussion forums. Students thoughtfully discuss course content. Students facilitate group functioning to achieve course goals.
- **Systematic Inquiry:** Students use questioning and feedback to help them think critically. Students discuss their own work with others and take action to improve own clinical decision making. Students develop independent clinical reasoning.
- **Professional Growth:** Students focus on participating in group learning by sharing accurate, relevant information in a professional manner. Students are responsible and accountable for their learning. Students value continually updating pharmacology knowledge.
- **Creative Leadership:** Students develop on-line facilitation skills within groups. They demonstrate credibility, accountability, assertiveness, problem solving, judgement and initiative within groups.
- **Technical Skill:** Students discuss rationales and nursing responsibilities related to administration of medications and to the assessment of patients who receive medications. Students develop skills in using electronic educational technology.

■ Assignment Details

- All assignments must be completed to pass the course.
- Students must participate at least weekly in on-line discussion forums.
- All quizzes/self-tests associated with each module must be completed on-line.
- The case-study assignment is a group assignment and will be completed in a clinical post-conference.
- The final exam will be held on-campus during exam week.

Schedule

For detailed schedule of content and related readings, please refer to on-line schedule located within the course.

Week of	Outcome/Material Covered
September 22 to October 5	Introduction to course. Nursing and medication administration.
October 6 to October 19	Drug classifications, pharmacokinetics and pharmacodynamics. Adverse effects and drug interactions.
October 20 to November 2	Geriatric pharmacotherapeutics. Autonomic nervous system drugs.
November 3 to November 16	Renal drugs. Cardiac drugs. Case study preparation.
Week of November 24	Case study discussion in clinical post-conference.
Week of December 8	Final Exam (On campus).