ORIGINAL COURSE IMPLEMENTATION DATE:	January 2006
REVISED COURSE IMPLEMENTATION DATE:	September 2017
COURSE TO BE REVIEWED: (six years after UEC approval)	May 2021

Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: HSC 116	**Number of Credits:** 2 Course credit policy (105)
Course Full Title: Pharmacotherapeutics **Course Short Title (if title exceeds 30 characters):**	
Faculty: Faculty of Health Sciences	**Department (or program if no department):** School of Health Studies, BSN

Calendar Description:

In this course concepts and principles of pharmacotherapeutics will be presented. Key drug classifications will be discussed in relationship to pharmacokinetics and pharmacodynamics and their effects on particular body systems.

Prerequisites (or NONE):	Admission to the Bachelor of Science in Nursing program.
Corequisites (if applicable, or NONE):	
Pre/corequisites (if applicable, or NONE):	

Equivalent Courses (cannot be taken for additional credit)

Former course code/number:

Cross-listed with:

Equivalent course(s):

Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.

Transfer Credit

Transfer credit already exists: ☒ Yes ☐ No

Transfer credit requested (OReg to submit to BCCAT):
☐ Yes ☒ No (if yes, fill in transfer credit form)

Resubmit revised outline for articulation: ☐ Yes ☒ No

To find out how this course transfers, see **bctransferguide.ca**.

Total Hours: 30

Typical structure of instructional hours:

Lecture hours	30
Seminars/tutorials/workshops	
Laboratory hours	
Field experience hours	
Experiential (practicum, internship, etc.)	
Online learning activities	
Other contact hours:	
Total	**30**

Special Topics

Will the course be offered with different topics?
☐ Yes ☒ No

If yes, different lettered courses may be taken for credit:
☐ No ☐ Yes, repeat(s) ☐ Yes, no limit

Note: The specific topic will be recorded when offered.

Maximum enrolment (for information only): 48

Expected frequency of course offerings (every semester, annually, every other year, etc.): Fall; Winter

Department / Program Head or Director: Hannah MacDonald	**Date approved:** October 20, 2016
Faculty Council approval	**Date approved:** November 18, 2016
Campus-Wide Consultation (CWC)	**Date of posting:** January 6, 2017
Dean/Associate VP: Joanne MacLean	**Date approved:** November 18, 2016
Undergraduate Education Committee (UEC) approval	**Date of meeting:** January 27, 2017

Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Explain the processes of pharmacokinetics and pharmacodynamics.
2. Apply the principles of pharmacokinetics and pharmacodynamics to the key drug classifications.
3. Describe the impact of specific drug classifications on body systems.
4. Explore the impact of pharmacological processes across the lifespan.

Prior Learning Assessment and Recognition (PLAR)

☒ Yes ☐ No, PLAR cannot be awarded for this course because

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)

Lecture, group discussion, student presentations, guest speakers.

Grading system: Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☒

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)

	Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1.	Lilley, Harrington & Snyder	Pharmacology for Canadian Health Care Practice	2nd	Toronto: ON. Elsevier	2011
2.	Vallerand, D. H., Sanoski, C.A, & Deghin, J. H., &	Davis's Canadian drug guide for nurses	14th	Philadelphia: W. B. Saunders.	2015
3.			☐		
4.			☐		
5.			☐		

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

Typical Evaluation Methods and Weighting

Final exam:	40%	Assignments:	%	Midterm exam:	35%	Practicum:	%
Quizzes/tests:	25%	Lab work:	%	Field experience:	%	Shop work:	%
		Other:	%	Other:	%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

1. Introduction to Nursing Pharmacotherapeutics
   - Pharmacokinetic and pharmacodynamic processes
   - Lifespan development considerations

2. Drugs affecting the Central Nervous System

   Drug Classification:
   - Opioid and opioid antagonist
   - Analgesics-antipyretics-anti-inflammatory and related drugs
   - Antianxiety and Sedative-hypnotic drugs
   - Antiseizure Drugs
   - Antiparkinson Drugs

3. Drugs affecting the Autonomic Nervous System

   Drug Classification:
   - Adrenergic Drugs and Antiadrenergic Drugs Cholinergic Drugs and Anticholinergic Drugs

4. Drugs affecting the Autonomic Nervous System

   Drug Classification:
   - Hypothalamic, Pituitary and Adrenal Hormones
   - Corticosteroids
   - Thyroid and Antithyroid Drugs
   - Calcium and Bone Metabolism
   - Antidiabetic Drugs

5. Drugs affecting the Respiratory System

Drug Classification:

- Bronchodilators
- Antihistamines
- Nasal decongestants and Antitussives

6. Drugs affecting the Cardiovascular and Renal Systems

Drug Classification:

- Cardiac Glycosides
- Antianginal Drugs
- Antihypertensive Drugs
- Diuretics

7. Drugs affecting the Gastrointestinal System

Drug Classification:

- Antipeptic and Antacid Reflux Drugs
- Laxatives and Cathartics
- Antiemetic

8. Drugs affecting Hematologic and Immune Systems

Drug Classification:

- Beta-Lactam Antibacterial: Penicillin, Cephalosporin and Others
- Aminoglycosides
- Tetracycline, Sulfonamides, and Urinary Agents
- Antifungal Drugs
- Anticoagulants

9. Drugs affecting the Integumentary, Ophthalmic, and Otic Systems

Drug Classification:

- Antiglaucoma Agents
- Topical Skin Agents