



## COURSE OUTLINE: BSCN2011 - PHARMACOLOGY 1

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Approved: Bob Chapman, Dean, Health

<b>Course Code: Title</b>	BSCN2011: PHARMACOLOGY 1
<b>Program Number: Name</b>	3401: HONOURS BSCN 8220: ACAD CAREER ENTRANCE
<b>Department:</b>	BSCN - NURSING
<b>Academic Year:</b>	2024-2025
<b>Course Description:</b>	This course focuses on the application of integrated pharmacological knowledge and interventions within the nursing process.
<b>Total Credits:</b>	3
<b>Hours/Week:</b>	3
<b>Total Hours:</b>	36
<b>Prerequisites:</b>	BIOL1150, BSCN1110
<b>Corequisites:</b>	BSCN2000, BSCN2010, PATH2050
<b>This course is a pre-requisite for:</b>	BSCN2100, BSCN2102, BSCN2110, PATH2160
<b>Vocational Learning Outcomes (VLO's) addressed in this course:</b>	<b>3401 - HONOURS BSCN</b>
<b>Please refer to program web page for a complete listing of program outcomes where applicable.</b>	VLO 1 Meet professional practice requirements as identified in the current Entry-to-Practice Competencies and Professional Standards of the College of Nurses of Ontario.
	VLO 2 Provide safe, competent, holistic care to diverse individuals, groups and populations in a variety of contexts based on the principles of nursing knowledge, ways of knowing, ethics, relationships, and cultural safety.
	VLO 3 Build professional relationships in a collaborative environment with other health care providers and actively engage in collaborative decision making around client care.
	VLO 4 Contribute to the nursing profession and healthcare through the practice of critical inquiry, self-reflection, and a commitment to professional growth through lifelong learning.
	VLO 5 Utilize critical thinking and reasoning to make evidence-informed clinical judgements.
	VLO 8 Manage the care of people across the lifespan who have stable and unstable outcomes.
<b>Essential Employability Skills (EES) addressed in this course:</b>	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.
	EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.
	EES 3 Execute mathematical operations accurately.
	EES 4 Apply a systematic approach to solve problems.



- EES 5 Use a variety of thinking skills to anticipate and solve problems.
- EES 6 Locate, select, organize, and document information using appropriate technology and information systems.
- EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.
- EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.
- EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
- EES 10 Manage the use of time and other resources to complete projects.
- EES 11 Take responsibility for ones own actions, decisions, and consequences.

**Course Evaluation:**

**Other Course Evaluation & Assessment Requirements:**

CNO Mapping to ETP Competencies: 1.7, 1.11  
 Indigenous Learning Outcome Mapping: Relates principles of Indigenous knowledge to career field (3)

**Books and Required Resources:**

Lehne`s Pharmacology for Nursing Care by Burchum J.R. & Rosenthal, L.D  
 Publisher: Elsevier Edition: 12th  
 ISBN: 9780443107108  
 eBook 9780443108686

**Course Outcomes and Learning Objectives:**

<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>
1. Describe and explain basic principles, concepts, and processes of pharmacology.	1.1 Develop fundamental understanding of concepts related to pharmacotherapeutics including pharmacokinetics, pharmacodynamics, and drug interactions. 1.2 Describe lifespan considerations associated with medication administration. 1.3 Discuss individual variation in drug responses. 1.4 Discuss nursing implications associated with drug actions, interactions, and side effects. 1.5 Apply the nursing process to the administration of medications across the lifespan.
<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
2. Use pharmacological terms orally and in nursing documentation to communicate nursing therapeutics and client status.	2.1 Describe the role of effective communication as a component of safe medication administration. 2.2 Apply understanding of drug names including, chemical, generic, and trade names. 2.3 Integrate knowledge of pharmacotherapeutics into SBAR. 2.4 Develop skill in documenting care and decision making related to pharmacological interventions.
<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
3. Promote safe, supportive health environments for persons experiencing episodic health challenges.	3.1 Identify how drug therapy is integrated into safe, evidence-informed care of clients. 3.2 Integrate knowledge of pharmacotherapeutics into care planning for clients. 3.3 Demonstrate clinical reasoning in the context of



	<p>pharmacology.</p> <p>3.4 Describe how safety is provided by the use of systematic processes in drug administration.</p> <p>3.5 Discuss the value of integrating knowledge related to traditional medicines when developing and evaluating a pharmacological plan of care.</p>
<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
4. Apply the principles of pharmacology and safe administration practice.	<p>4.1 Apply knowledge from the College of Nurses of Ontario practice standard, Medication revised, 2019</p> <p>4.2 Discuss the impact of medication errors and the process involved in reporting a medication error.</p> <p>4.3 Discuss the role of ISMP in reducing medication errors in practice.</p> <p>4.4 Identify major classifications of pharmacotherapeutic agents and prototypes of each as used in the treatment of common health alterations.</p> <p>4.4 Describe the therapeutic actions, indications, pharmacokinetics, contraindications, most common adverse reactions, and important drug-drug interactions associated with drug classifications and specific drugs.</p> <p>4.5 Discuss nursing responsibilities associated with medications that alter fluid and electrolyte balance.</p>
<b>Course Outcome 5</b>	<b>Learning Objectives for Course Outcome 5</b>
5. Anticipate, monitor, and evaluate the actual and potential health risks and possible associated outcomes related to medication administration.	<p>5.1 Recognize the assessment needs of clients undergoing drug therapy.</p> <p>5.2 Recognize gender, ethnic, and cultural influences impacting drug therapy.</p> <p>5.3 Identify diagnostic findings that support decision making related to medications.</p> <p>5.4 Discuss common changes in clinical chemistry related to pharmacotherapy including fluid shifts and electrolyte imbalances.</p>
<b>Course Outcome 6</b>	<b>Learning Objectives for Course Outcome 6</b>
6. Provide appropriate education around medications administered.	<p>6.1 Identify opportunities for health teaching related to medication administration.</p> <p>6.2 Discuss the importance of patient education as a component of medication administration including prescribed, over the counter, and natural health products.</p> <p>6.3 Create a teaching plan for a medication or group of medications.</p> <p>6.4 Discuss strategies to evaluate patient teaching related to medications.</p>

**Evaluation Process and Grading System:**

<b>Evaluation Type</b>	<b>Evaluation Weight</b>
Assignment	15%
Case Study	20%
Final Exam	35%

	Midterm Test	30%
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**Date:** September 3, 2024

**Addendum:** Please refer to the course outline addendum on the Learning Management System for further information.