

COURSE OUTLINE: PNG250 - PHARMACOLOGY II

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Course Code: Title	PNG250: PHARMACOLOGY II		
Program Number: Name	3024: PRACTICAL NURSING		
Department:	PRACTICAL NURSING		
Academic Year:	2023-2024		
Course Description:	This course builds upon the concepts presented in PNG234 (Pharmacology I) and introduces additional select medication classifications as they relate to individuals experiencing illnesses/medical situations across the lifespan. The learner will study the mechanism of action, therapeutic indications and nursing responsibilities (including drug monitoring and management of adverse drug effects). In addition, this course will emphasize common medication dosages, drug calculations, nursing legislation and standards and health teaching. Furthermore, this course will detail the professional implications of medication administration, as learners prepare for their pre-graduate experience. This course is comprised of in-class lecture (theory)and simulation, which provides the learner the opportunity to discuss all pharmacologic concepts.		
Total Credits:	3		
Hours/Week:	3		
Total Hours:	30		
Prerequisites:	PNG233, PNG234, PNG236, PNG238		
Corequisites:	PNG251, PNG252, PNG253		
Vocational Learning Outcomes (VLO's) addressed in this course: Please refer to program web page for a complete listing of program outcomes where applicable.	 3024 - PRACTICAL NURSING VLO 1 Communicate therapeutically with clients and members of the health care team. VLO 2 Assess clients across the life span, in a systematic and holistic manner. VLO 3 Plan safe and competent nursing care, based upon a thorough analysis of available data and evidence-informed practice guidelines. VLO 4 Select and perform nursing interventions using clinical judgment, in collaboration with the client and, where appropriate, the health care team, that promote health and well-being, prevent disease and injury, maintain and/or restore health, promote rehabilitation, and/or provide palliation. VLO 5 Evaluate the outcomes resulting from all interventions in the nurse-client interaction and modify the plan of care as required. VLO 6 Act equitably and justly with clients and members of the health care team. VLO 7 Adapt to a variety of health care settings, using different leadership skills and styles 		
	 as appropriate to each setting. VLO 9 Practise in a self-regulated, professional and ethical manner, complying with relevant legislation and with the standards of both the regulatory body and the practice setting to provide safe and competent client care. 		
Essential Employability	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form		

Skills (EES) addressed in this course:	EES 2Respond to writter communication.EES 3Execute mathemaEES 4Apply a systematicEES 5Use a variety of thEES 7Analyze, evaluate	 communication. Execute mathematical operations accurately. Apply a systematic approach to solve problems. Use a variety of thinking skills to anticipate and solve problems. Analyze, evaluate, and apply relevant information from a variety of sources. 			
Course Evaluation:	Passing Grade: 60%, C A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.				
Other Course Evaluation & Assessment Requirements:	College of Nurses of Ontario (CNO) Registered Practical Nurse (RPN) Entry-to-Practice Competencies (ETPs) 1, 2, 18, 61, 62				
Books and Required Resources:	Study Guide for Lilley's Pharmacology for Canadian Health Care Practice by Sealock & Seneviratne Publisher: Elsevier Edition: 4th ISBN: 9780323694582 Lilley's Pharmacology for Canadian Health Care Practice by Sealock & Seneviratne Publisher: Elsevier Edition: 4th ISBN: 9780323694803 College of Nurses of Ontario by Practice Standard Medication Publisher: College of Nurses of Ontario Edition: 2022 https://www.cno.org/globalassets/docs/prac/41007_medication.pdf				
Course Outcomes and Learning Objectives:	Course Outcome 1 1. Relate the principles of basic pharmacological theory to the nursing process and the administration of medications. CNO ETP RPN 1, 2,8, 18, 61, 62	Learning Objectives for Course Outcome 11.1 Apply the nursing process to the administration of medications across the lifespan.1.2 Apply the common terms used in pharmacology including the concepts of pharmaceutics, pharmacokinetics, pharmacodynamics and pharmacotherapeutics.1.3 Discuss the lifespan considerations associated with medication administration (including pregnant women, breastfeeding, infants, children and older adults).1.4 Incorporate Canadian legislation which governs the administration of medication (including the Food and Drug Act and Controlled Substances Act.1.5 Discuss the importance of patient education as a component of medication administration (including prescription medications, over the counter medications and natural health products).1.6 Understand the importance of medication administration in the treatment plan.1.7 Recognize assessment needs of the patient undergoing			

Course Outcome 2	drug therapy. 1.8 Identify how drug therapy is integrated into the safe evidence-based care of clients. 1.9 Recognize gender, ethnic, and cultural influences impacting drug therapy. Learning Objectives for Course Outcome 2	
2. Explain the action, therapeutic indications and nursing responsibilities of select medication classifications. CNO ETP RPN 1, 2, 61, 62		
Course Outcome 3	Learning Objectives for Course Outcome 3	
3. Apply provincial nursing legislation and standards which impact medication administration and nursing care. CNO ETP RPN 1, 2, 8, 61, 62	 3.1 Discuss the ethical principles associated with medication administration. 3.2 Discuss the professional implication of using medical directives. 3.3 Describe the role of effective communication as a component of safe medication administration. 3.4 Compare the role of the Registered Practical Nurse versus the role of the Registered Nurse in the administration of medications. 3.5 Explain the Registered Practical Nurse's accountability in supervising Unregulated Care Providers who administer medications. 	

			3.7 Explain the process of medication reconciliation.3.8 Discuss the knowledge of pharmacology and principles of safe medication practice.	
	Course Outcome 4		Learning Objectives for Course Outcome 4	
	4. Apply basic math skills required to safely administer medications in the clinical setting to clients across the lifespan.		 4.1 Perform basic drug calculations across the lifespan. 4.2 Perform advanced drug calculations across the lifespan. CNO ETP RPN 61, 62 	
Evaluation Process and Grading System:	Evaluation Type	Evaluation	n Weight	
	Test #1	30%		
	Test #2	30%		
	Test #3	40%		
Date:	December 12, 202	December 12, 2023		
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.			