

COURSE OUTLINE: ENP103 - PHARMACOLOGY I

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Course Code: Title	ENP103: PHARMACOLOGY I
Program Number: Name	3044: ENHANCED PRACTICE
Department:	PRACTICAL NURSING
Academic Year:	2024-2025
Course Description:	The focus of this course is to review and update pharmacological knowledge, interventions, and medication administration. Students will be building on and applying previous pathology knowledge throughout the course. Learners will study the different categories of medications, their actions, uses, adverse reactions, and nursing implications. This is an in person synchronous course.
Total Credits:	4
Hours/Week:	4
Total Hours:	60
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
This course is a pre-requisite for:	ENP110, ENP114, ENP115
Vocational Learning	3044 - ENHANCED PRACTICE
Outcomes (VLO's) addressed in this course:	VLO 1 Conduct comprehensive assessments to plan individualized care supporting health promotion and disease prevention in complex and non-routine patient environments.
Please refer to program web page for a complete listing of program outcomes where applicable.	VLO 2 Integrate evidence-informed research, theory, and critical inquiry within the context of the Canadian health-care system to inform nursing practice and advance clinical judgement in the acute care setting.
	VLO 3 Model personal and professional responsibility, accountability, self-regulation, and ethical practice when caring for clients and their families to meet Canadian nursing regulatory standards, practices, and legislation.
	VLO 4 Communicate effectively with diverse populations and the healthcare team to form partnerships and improve health outcomes for individuals, families, groups and communities.
	VLO 5 Integrate and promote best practices and approaches in relation to the gerontological population within the Canadian healthcare system to plan and deliver nursing care in the acute care setting.
	VLO 6 Assess, plan, implement, and evaluate nursing care across the lifespan within the continuum of acute care.
	VLO 10 Advocate for client, self and the nursing profession by implementing strategies to provide safe and quality nursing care in the acute care setting.
	VLO 11 Integrate principles and philosophy of end of life care to support the client and their

	families through the	ne experience of death and dying.
Essential Employability Skills (EES) addressed in this course:	EES 5Use a variety of theEES 7Analyze, evaluateEES 8Show respect for sothers.EES 10Manage the use of	itical operations accurately. inking skills to anticipate and solve problems. , and apply relevant information from a variety of sources. the diverse opinions, values, belief systems, and contributions of f time and other resources to complete projects. y for ones own actions, decisions, and consequences.
Course Evaluation:	Passing Grade: 50%, A minimum program GPA of for graduation.	2.0 or higher where program specific standards exist is required
Books and Required Resources:	Lilley`s Pharmacology for Ca Publisher: Elsevier Canad E ISBN: 9780323694803	anadian Health Care Practice by Sealock dition: 4th
Course Outcomes and	Course Outcome 1	Learning Objectives for Course Outcome 1
Learning Objectives:	Students will be build on previous pharmacology knowledge and will study the different categories of medications, their actions, uses, adverse reactions, and nursing implications. Additionally, students review the pathology of many various conditions treated with medication therapy. Review will learner the following topics:	 1.1 Outline pharmacology basics, including terminology, drug names, therapeutics, pharmacokinetics & pharmacodynamics, and the application of all in nursing practice. Outline units of measurement, dose calculations and medication administration. 1.2 Explain drug interactions, adverse drug reactions and medication errors. The process by which to report adverse

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1.10 Outline anticoagulation therapy including antiplatelet and thrombolytic therapies, the indications for these types of drugs and the associated nursing implications. 1.11 Explain pathophysiology of asthma & COPD, the drug therapies for each as well as the nursing implications for both diseases. 1.12 Outline drugs used for anemias, hemophilia and hematopoietic agents, and the nursing implications associated. 1.13 Explain how the different types of diuretics work and the effects they have on fluid balance and electrolyte balance within the body. Explain the nursing implications associated with diuretics. 1.14 Outline the drugs affecting volume and ion content of body fluids, as well as the nursing implications for patients on these types of drugs. 1.15 Outline the different routes that analoesics can be administered and explain how drugs are used to treat different types of pain. 1.16 Outline pathophysiology of diabetes mellitus, the drug therapies for this disease and the nursing implications involved. 1.17 Explain mixing insulins and administration of insulins. 1.18 Outline medications indicated for use in thyroid disorders, and the nursing implications to be considered. 1.19 Explain drugs related to hypothalamic, pituitary, adrenal cortex disorders and the nursing implications involved in each. 1.20 Explain the pathogenesis of peptic ulcers, the drugs used to treat them and related nursing considerations. Describe use and abuse of laxatives, and the nursing implications for patients using laxatives. 1.21 Outline drug therapy for rheumatoid arthritis, and drugs that affect calcium levels & bone mineralization. Identify the indications for these drugs as well as the nursing implications for patients using these drugs. 1.22 Explain the immune system, humoral immunity and cell mediated immunity. Outline immunosuppressant therapy, the indications and the related nursing implications. 1.23 Outline antihistamines, their uses, and the nursing implications for them. 1.24 Outline NSAID and acetaminophen, the indications for their use and the nursing implications to be aware of. 1.25 Explain the basic principles of antimicrobial therapy and differentiate between drugs that weaken the bacterial cell wall. bacteriostatic inhibitors of protein synthesis, sulfonamides, antimycobacterial agents, antifungals, and antivirals. Identify the indications of each type of drug, as well as the nursing implications required. 1.26 Outline psychotherapeutic drugs, including antidepressants, anti-anxiety drugs, sedatives, and the nursing implications for each. 1.27 Explain the different types of substance use and abuse and the nursing interventions & implications surrounding substance use.

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1.28 Outline the basics of cancer therapy. Differentiate
between cytotoxic and non-cytotoxic drugs, the indications for
each, special considerations when administering these drugs
and the nursing implications for them.

Evaluation Process and Grading System:	Evaluation Type	Evaluation Weight	
	Final Exam	30%	
	Medication Templates	10%	
	Test #1	30%	
	Test #2	30%	
Date:	August 14, 2024 Please refer to the course outline addendum on the Learning Management System for further information.		
Addendum:			

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