Yukon University	**School of Health, Education and Human Services**
	NURS 1102: Applied Pharmacology
	Term: Winter 2027 **Number of Credits: 3**
Course Outline	

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COURSE DESCRIPTION

The pharmacokinetics of medications, the rationale for their use and the expected results of therapy are discussed, along with the development of critical thinking skills to assess the need for, and patient response to medication. Practical nurse competencies, the scope of practice and legal responsibilities are also emphasized.

Requisites:

Complete all of the following:

Earn a minimum grade of C in each of the following courses:

ANAT1101 - Anatomy And Physiology (6)
COMM1101 - Interpersonal Relationships And Communication Skills (3)
ENGL1201 - English Composition (3)
NURS1101 - Nursing Arts (3)

Earn a minimum grade of B in each of the following courses:

NURS1202 - Nursing Foundations 1 (3)

Earn a minimum grade of B+ in each of the following courses:

NURS1301 - Mathematical Principles of Medication Administration (3)

Equivalents: None
Credits: 3
Hours: 45
Eligible for PLAR: Yes

EQUIVALENCY OR TRANSFERABILITY

Receiving institutions determine course transferability. Find further information at:
https://www.yukonu.ca/admissions/transfer-credit

COURSE LEARNING OUTCOMES

1	Use critical thinking to analyze, synthesize and evaluate knowledge of medications into safe nursing practice
2	Complete health assessments related to medication administration and recognize the significance of data and deviations from baseline
3	Apply the nursing process to the delivery of medications
4	Integrate knowledge of medications to understand nursing implications including correct dosages, anticipation and management of the therapeutic effects, observation/monitoring of adverse effects and patient teaching
5	Follow agency policy, standards of practice and government regulations in the delivery of medications, occupational health and safety, and reporting and documenting

ASSESSMENT

Course Learning Outcome(s)	Assessment	Weight
1, 3, 4, 5	Learning Activity	10%
1, 2, 3, 4, 5	Exam 1	30%
1, 2, 3, 4, 5	Exam 2	30%
1, 2, 3, 4, 5	Exam 3	30%

Important: For details on each assessment, please see the Course Offering Information.

A minimum grade of D is required to pass this course. However, a program may require a higher grade in this course to progress in the program or to meet specific program completion requirements.

An overall minimum final mark for this course must be **64%** to pass this course.

Please consult with the program area or contact the program chair for further details. A minimum Grade Point Average of 2.0 is required for graduation.

DELIVERY FORMAT

This course is delivered using various modalities, with both in-person and online (some synchronous and some asynchronous) components. Note that the delivery format is subject to change.

COURSE MODULES AND SCHEDULE

**Course schedule subject to change, depending on delivery mode and term of study. For exact dates, please consult the Course Offering Information and other course documents in Moodle.*

HOURS/WEEK	MODULE
2 Hours	Regulations and Ethics Pertaining to Medication Administration
3 Hours	Principles of Medication Action and Administration
3 Hours	Medication Classification and Research
2 Hours	Complementary and Alternative Medicines and Vitamins
2 Hours	Autonomic Nervous System Medications
2 Hours	Antineoplastic Medications
6 Hours	Cardiovascular and Hematological Agents
4 Hours	Respiratory Medications
3 Hours	Medications for Neurodegenerative and Seizure Disorders
3 Hours	Psychopharmacology, analgesic, anti-inflammatory medications and sedatives/anxiolytics
3 Hours	Endocrine Medications
2 Hours	Gastrointestinal Tract Medications
2 Hours	Antibacterial, antiviral, and antifungal medications
2 Hours	Principles of Immunization
3 Hours	Musculoskeletal, Eye, Ear and Skin Medications
3 Hours	Administering Diagnostic Imaging Contrast Agents

COURSE WITHDRAWAL INFORMATION

Refer to the YukonU website for important dates

Required TEXTBOOKS & LEARNING MATERIALS

Adams, M.P., Holland, Bostwick, P., El-Hussein, M., Osuji, J. (2023). Pharmacology for nurses: A pathophysiological approach (4th Canadian ed.). Pearson Canada.

Additional learning resources may be found in the Course Offering Information or in Moodle.

ACADEMIC INTEGRITY

Students are expected to contribute toward a positive and supportive environment and are required to conduct themselves in a responsible manner. Academic misconduct includes all forms of academic dishonesty such as cheating, plagiarism, fabrication, fraud, deceit, using the work of others without their permission, aiding other students in committing academic offences, misrepresenting academic assignments prepared by others as one's own, or any other forms of academic dishonesty including falsification of any information on any Yukon University document.

Please refer to Academic Regulations & Procedures for further details about academic standing and student rights and responsibilities.

ACCESSIBILITY AND ACADEMIC ACCOMMODATION

Yukon University is committed to providing a positive, supportive, and barrier-free academic environment for all its students. Students experiencing barriers to full participation due to a visible or hidden disability (including hearing, vision, mobility, learning disability, mental health, chronic or temporary medical condition), should contact Accessibility Services for resources or to arrange academic accommodations: access@yukonu.ca.

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