

	School of Health, Education and Human Services
	NURS 1102
	Applied Pharmacology
	Term: Winter 2023
	Number of Credits: 3
Course Outline	

INSTRUCTOR: Beth Chisholm

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COURSE DESCRIPTION

Holistic interdisciplinary care is emphasized within the framework of professional nursing. Focus is on the principles underlying nursing actions and decision making required for planning and providing safe nursing care to patients using a body system approach. Nursing competencies introduced in the classroom are practiced and assessed in the nursing laboratory

COURSE REQUIREMENTS

Prerequisite(s): 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)

EQUIVALENCY OR TRANSFERABILITY

Receiving institutions determine course transferability. Find further information at:

<https://www.yukonu.ca/admissions/transfer-credit>

LEARNING OUTCOMES

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

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

COURSE FORMAT

This course will include a total of 45 hours of on-line learning, in-person classes and exams, and possible videoconference sessions. Learning activities may include, but are not limited to, facilitator-led learning, projects, and on-line exercises.

Delivery format

A combination of synchronous in-person activities and possible virtual real-time class meetings through Zoom, and asynchronous (web-based via Moodle) learning activities are provided.

Assessment

Course learning outcomes	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%
11,2,3,4,5	Exam 3	30%
	Total	100%

An overall minimum final mark for this course must be 64%, letter grade C, grade point value of 2.0 to pass this course.

All assessed elements must be completed in order to pass the course. Unless there is a prior agreement with the instructor, late assignments will subject to a deduction of 5% of the grade for every day late. Instructors are not required to accept late assignments if no extension has been granted.

COURSE WITHDRAWAL INFORMATION

Refer to the YukonU website for important dates.

TEXTBOOKS & LEARNING MATERIALS

Adams, M.P., Holland, Bostwick, P., El-Hussein, M., Osuji, J. (2021). Pharmacology for nurses: A pathophysiological approach (3rd 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.

TOPIC OUTLINE

- 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

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