

APPLIED ARTS DIVISION
Health, Education, and Human Services
Winter, 2019



COURSE OUTLINE

NURS 1102

APPLIED PHARMACOLOGY

**45 HOURS
3 CREDITS**

PREPARED BY: Sue Starks

DATE: November 7, 2018

APPROVED BY:

DATE:

APPROVED BY ACADEMIC COUNCIL: (DATE)

RENEWED BY ACADEMIC COUNCIL: (DATE)

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NURS 1102 APPLIED PHARMACOLOGY

INSTRUCTOR: Sue Starks	OFFICE HOURS: by appointment
OFFICE LOCATION: A2911	CLASSROOM: TBA
E-MAIL: sstarks@yukoncollege.yk.ca	TIME: TBA
TELEPHONE: 867-668-8845 (HEHS office)	DATES: Jan 8 - March 28, 2019

To make up for statutory holidays that fall on originally scheduled class time/date, the instructor will work with students to establish an alternative class time/date and communicate this via Moodle and student e-mail

COURSE DESCRIPTION

The pharmacokinetics of medications, the rationale for their use and the expected results of therapy are discussed in this course, 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.

PREREQUISITES

ENGL100 Academic Writing and Critical Thinking; ELCC125 Interpersonal Relationships and Communication Skills; ANAT1101 Anatomy and Physiology; NURS1101 Nursing Arts; NURS1202 Nursing Foundations 1; NURS1301 Mathematical Principles of Medication Administration (co-requisite)

RELATED COURSE REQUIREMENTS

Enrolment in the practical nurse education program or permission of the program coordinator

EQUIVALENCY OR TRANSFERABILITY

See Bow Valley College transferability information at <https://bowvalleycollege.ca/student-resources/academic-services/transfer-credits>

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 be a total of 45 hours plus a final exam. Classes include but are not limited to: facilitator-led learning, peer-to-peer projects, in class and home exercises.

EVALUATION

Learning Outcomes	Assessment Strategy	Weight
1,2,3,5	Exam #1 - Evaluate comprehension of introductory pharmacology units	25%
1,2,3,4,5	Exam #2 - Evaluate comprehension of content following Exam #1	25%
1,4	Teaching Project Assignment	15%
1,2,3,4,5	Final Exam - Evaluate comprehension of entire course content	35%
Total		100%

Grading will be according to the Bow Valley College letter grade template. An overall minimum final mark for this course must be 64%, letter grade C, grade point value of 2.0 to pass this course.

REQUIRED TEXTBOOKS AND MATERIALS:

Adams, M.P., Quam Urban, C., El-Hussein, M., Osuji, J. & King, S. (2017). *Pharmacology for nurses: A pathophysiological approach. (2nd Canadian Edition)*. Don Mills, Ontario: Pearson Canada.

Additional Resources:

LeFever Kee, J., Hayes, E., McCuistion, L. (2011). *Pharmacology: a nursing process approach (7th ed.)*. Philadelphia, PA: W.B. Saunders Co.

Davis Drug Guide for Nurses 16th Edition, or any other current Drug Guide for Nurses (various publishers)

Work Safe Alberta Best Practices in Occupational Health and Safety in the Healthcare Industry

Retrieved from: www.employment.alberta.ca/whs-healthcare

Institute for Safe Medication Practices

Retrieved from: <http://www.ismp-canada.org/index.htm>.

ACADEMIC AND STUDENT CONDUCT

Information on academic standing and student rights and responsibilities can be found in the current Academic Regulations that are posted on the Student Services/ Admissions & Registration web page.

PLAGIARISM

Plagiarism is a serious academic offence. Plagiarism occurs when students present the words of someone else as their own. Plagiarism can be the deliberate use of a whole piece of another person's writing, but more frequently it occurs when students fail to acknowledge and document sources from which they have taken material. Whenever the words, research or ideas of others are directly quoted or paraphrased, they must be documented according to an accepted manuscript style (e.g., APA, CSE, MLA, etc.). Resubmitting a paper which has previously received credit is also considered plagiarism. Students who plagiarize material for assignments will receive a mark of zero (F) on the assignment and may fail the course. Plagiarism may also result in dismissal from a program of study or the College.

YUKON FIRST NATIONS CORE COMPETENCY

Yukon College recognizes that a greater understanding and awareness of Yukon First Nations history, culture and journey towards self-determination will help to build positive relationships among all Yukon citizens. As a result, to graduate from ANY Yukon College program, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please

see <https://www.yukoncollege.yk.ca/yukon-first-nations-core-competency>

ACADEMIC ACCOMMODATION

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon College Academic Regulations (available on the Yukon College website). It is the student's responsibility to seek these accommodations. If a student requires an academic accommodation, he/she should contact the Learning Assistance Centre (LAC) at (867) 668-8785 or lassist@yukoncollege.yk.ca

THE LORENE ROBERTSON WRITING CENTRE

All students are encouraged to make the Writing Centre a regular part of the writing process for coursework. The Lorene Robertson Writing Centre is staffed by helpful writing coaches from across the College and offers one-on-one appointments to students in need of writing support. The Lorene Robertson Writing Centre can help you:

- * Get started on an assignment and focus your ideas
- * Outline and plan your assignment
- * Write clearly, logically and effectively
- * Address specific needs and writing problems
- * Revise the first and final drafts of your project
- * Gain confidence in your writing

For in-person appointments, the Centre coaching office is located in the Academic Support Centre in room A2302. You can also participate in coaching appointments over the phone or online. See the Academic Support Centre schedule for English and writing support times.

TOPIC OUTLINE

Regulations About Medication Administration	Medications for Neurodegenerative and Seizure Disorders
Principles of Medication Action and Administration	Psychopharmacology, analgesic, anti-inflammatory medications and sedatives/anxiolytics
Medication Classification and Research	Endocrine Medications
Nursing Process and Patient Education	Gastrointestinal Tract Medications
Autonomic Nervous System Medications	Antibacterial, antiviral, and antifungal medications
Vitamins, Minerals and Electrolytes	Principles of Immunization
Cardiovascular and Hematological Agents	Antineoplastic Medications
Respiratory Medications	Urinary and Reproductive System/ Eye, Ear and Skin Medications