



COURSE OUTLINE



NURS1102

Applied Pharmacology

First created: June 16, 2016

Last updated: October 3, 2018

Care has been taken to obtain copyright permission to reproduce this material. Any information that will enable Bow Valley College to obtain copyright clearance for any material not acknowledged would gladly be received by:

Bow Valley College
345 6th Avenue SE
Calgary AB T2G 4V1
Attn: Copyright Officer
email: copyright@bowvalleycollege.ca

© Bow Valley College

NURS1102 Applied Pharmacology

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 | ENGL1201 English Composition; COMM1101 Interpersonal Relationships and Communication Skills; ANAT1101 Anatomy and Physiology; NURS1101 Nursing Arts; NURS1202 Nursing Foundation 1; NURS1301 Mathematical Principles of Medication Administration; | |
| CO-REQUISITES | NURS1103 Pathophysiology | |
| EQUIVALENTS | <input checked="" type="checkbox"/> | N/A |
| ANTI-REQUISITES | <input checked="" type="checkbox"/> | N/A |
| CREDITS | 3 | |
| HOURS | 45 | |

PRIOR LEARNING ASSESSMENT AND RECOGNITION (PLAR)

Is this course eligible for PLAR? Yes No

This option is available only through Bow Valley College

TOPICS COVERED

| | |
|--|--|
| 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 |

LEARNING OUTCOMES

UPON SUCCESSFUL COMPLETION OF THIS COURSE
YOU WILL BE ABLE TO:

COLLEGE-WIDE
OUTCOMES SUPPORTED¹

| | | |
|---|---|------------------------|
| 1 | Use critical thinking to analyze, synthesize and evaluate knowledge of medications into safe nursing practice | 2, 3, 6, 7, 8 |
| 2 | Complete health assessments related to medication administration and recognize the significance of data and deviations from baseline | 1, 2, 6, 7, 8 |
| 3 | Apply the nursing process to the delivery of medications | 2, 3, 6, 8, 9 |
| 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 | 1, 2, 3, 4, 6, 9 |
| 5 | Follow agency policy, standards of practice and government regulations in the delivery of medications, occupational health and safety, and reporting and documenting | 1, 2, 3, 5, 6, 7, 8, 9 |

PERFORMANCE EVALUATION

| COURSE LEARNING OUTCOME | 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 - Build instructional media for clients | 15% |
| 1, 2, 3, 4, 5 | Final Exam - Evaluate comprehension of entire course content | 35% |
| Total | | 100% |

REQUIRED LEARNING RESOURCES

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

ADDITIONAL LEARNING RESOURCES

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

Davis Drug Guide for Nurses 14th 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>.

Insert second additional learning resources.

Add as many as required.

GRADING SCHEME

| GRADE | PERCENTAGE | GRADE POINT | DESCRIPTION |
|-------|------------|-------------|--------------|
| A+ | 95-100 | 4.0 | Exceptional |
| A | 90-94 | 4.0 | |
| A- | 85-89 | 3.67 | Excellent |
| B+ | 80-84 | 3.33 | |
| B | 75-79 | 3.0 | |
| B- | 70-74 | 2.67 | Good |
| C+ | 67-69 | 2.33 | |
| C | 64-66 | 2.0 | |
| C- | 60-63 | 1.67 | Satisfactory |
| D+ | 57-59 | 1.33 | |
| D | 50-56 | 1.0 | Minimal Pass |
| F | 0-49 | 0.0 | Fail |

A Grade Point Average of 2.0 is required for graduation.
 A minimum grade of D / 50% is required to pass this course. However, your program may require a higher grade in this course for you to progress in the program and to graduate. Please refer to your individual Program Content Guide or contact your program coordinator for further details.

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

Bow Valley College-Wide Outcomes:

1. Communication
2. Thinking Skills
3. Numeracy and Financial Literacy
4. Working with Others
5. Digital Literacy
6. Positive Attitudes and Behaviours
7. Continuous Learning
8. Health and Wellness Awareness
9. Citizenship and Intercultural Competence
10. Environmental Sustainability

ACADEMIC ACCOMMODATIONS

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 https://www.yukoncollege.yk.ca/student_info/pages/learning_assistance_centre

ACADEMIC AND STUDENT CONDUCT

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 of the College.

YUKON FIRST NATION 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 www.yukoncollege.yk.ca/yfnccr.

ACADEMIC SUPPORT CENTRE AND LORENE ROBERTSON WRITING CENTRE

All students are encouraged to make the Writing Centre a regular part of the writing process for coursework. Located in C2231 (adjacent to College Library), the Writing Centre offers half-hour writing coaching sessions to students of all writing abilities. Coaching sessions are available in

person and through distance technologies (e.g., email plus Skype or phone). For further information or to book an appointment, visit the Centre's website:

http://www.yukoncollege.yk.ca/student_info/pages/academic_support_centre
