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





## **COURSE OUTLINE**

**NURS 1301** 

## MATHEMATICAL PRINCIPLES OF MEDICATION ADMINISTRATION

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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APPLIED ARTS DIVISION NURS 1301 3 Credit Course Winter Semester, 2019

### NURS 1301 MATHEMATICAL PRINCIPLES OF MEDICATION ADMINISTRATION

INSTRUCTOR: Samantha Piper OFFICE HOURS: by appointment

OFFICE LOCATION: A2708 CLASSROOM: A2712 & A2202

E-MAIL: spiper@yukoncollege.yk.ca TIME: 1300-1600

**TELEPHONE**: 867-668-8845 (HEHS office) **DATES**: Jan 3 - Mar 27, 2019 (W & TH)

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

Numeracy skills in drug dosage calculation are intrinsic to nursing practice. Learners need these skills to progress through their courses, clinical placements, and eventual licensed practical nurse practice. This course initially focuses on foundational mathematical concepts and operations as well as the documents integral to medication administration. The course covers oral and parenteral medication calculations, intravenous drug administration calculations, and calculations for special protocols. Proficiency in this course underpins safe practice.

#### **PREREQUISITES**

None

#### RELATED COURSE REQUIREMENTS

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

#### **EOUIVALENCY 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. Perform and evaluate dosage calculations for oral. Injected, and intravenous medications.
- 2. Calculate flow rate and infusion time for intravenous drug administration.
- 3. Apply strategies to read and retrieve information from a range of documents.
- 4. Use clinical terminology in context.
- 5. Evaluate calculations and documents by applying critical thinking skills.

### **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
1,2,3,4,5	Learning Assessment 1	20%
1,2,3,4,5,	Learning Assessment 2	30%
1,2,3,4,5	Exam 1	20%
1,2,3,4,5	Final Exam	30%
		100%

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

## REQUIRED TEXTBOOKS AND MATERIALS:

NURS 1301 Course Package is required for this course

## 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 <a href="mailto:lassist@yukoncollege.yk.ca">lassist@yukoncollege.yk.ca</a>

## 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**

Review of Fundamental Math Skills	
Medical Document Use	
Medical Equipment and Supplies	