

APPLIED ARTS DIVISION  
Health, Education, and Human Services  
Fall, 2016



**COURSE OUTLINE**

**NURS 1301**

**MATHEMATICAL PRINCIPLES OF MEDICATION ADMINISTRATION**

**45 HOURS  
3 CREDITS**

PREPARED BY: Catherine Bradbury

DATE: 27 May, 2016

APPROVED BY:

DATE:

APPROVED BY ACADEMIC COUNCIL: (DATE)

RENEWED BY ACADEMIC COUNCIL: (DATE)

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## MATHEMATICAL PRINCIPLES OF MEDICATION ADMINISTRATION

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INSTRUCTOR: TBD	OFFICE HOURS: TBD
OFFICE LOCATION: C1315	CLASSROOM:
E-MAIL:	TIME: Wednesdays, 9 am - Noon
TELEPHONE: 668-8845 (HEHS office)	DATES: Sept.7 - Dec. 14, 2016

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### COURSE DESCRIPTION

This course is a balanced interweaving of clinical relevance, document use and applied math. Learners will gain an understanding of documents in the nursing clinical context and can also expect to have competence and comfort with dosage calculations.

### PREREQUISITES

NONE

### RELATED COURSE REQUIREMENTS

The introductory section of this course is eligible for prior learning assessment and recognition; see program coordinator

### EQUIVALENCY OR TRANSFERABILITY

See Bow Valley College transferability information: click [here](#)

### LEARNING OUTCOMES

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

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

## **COURSE FORMAT**

Including but not limited to: facilitator led learning, peer-to-peer projects, in class and home exercises

## **ASSESSMENTS**

Peer-to-Peer Projects	20%
Learning Assessments	40%
Midterm Exam	20%
Final Exam: Practical	5%
Final Exam: Written	15%
<b>TOTAL</b>	<b>100%</b>

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**

Course Package (posted on Moodle)

## **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 [www.yukoncollege.yk.ca/yfnccr](http://www.yukoncollege.yk.ca/yfnccr).

## **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](mailto:lassist@yukoncollege.yk.ca).

# TOPIC OUTLINE

Section 1: Review of Fundamental Math Skills

Section 2: Medical Document use

Section 3: Medical Equipment and Supplies