

 Yukon University	School of Health, Education and Human Services
	NURS 1301: Mathematical Principles of Medication Administration
	Term: Fall Number of Credits: 3
Course Outline	

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COURSE DESCRIPTION

Requisites: None
 Equivalents: None
 Credits: 3
 Hours: 45
 Eligible for PLAR: Yes

EQUIVALENCY OR TRANSFERABILITY

Receiving institutions determine course transferability. Find further information at:
<https://www.yukonu.ca/admissions/transfer-credit>

LEARNING OUTCOMES

1	Perform and evaluate dosage calculations
2	Perform calculations related to intravenous solutions
3	Use documents related to medication administration
4	Use correct terms and notation regarding medication administration
5	E valuate and discuss medication related issues that affect safety

COURSE MODULES AND SCHEDULE

**Course schedule subject to change*

WEEK/HOURS	MODULE
3 hours	Basic Mathematics
3 Hours	Systems of measurement and conversions
3 Hours	Calculation methods for determining drug dosages
1.5 Hours	Dosage measurement equipment
1.5 Hours	Use of documents in medication administration
3 Hours	Medication orders and administration records
3 Hours	Medication labels
6 Hours	Calculating oral medication dosages
6 Hours	Calculating parenteral medication dosages
6 Hours	Reconstitution of solutions
3 Hours	Dosages based on body weight
6 Hours	Intravenous solutions, equipment, and calculations

ASSESSMENT

Learning Outcomes	Assessment	Weight
1, 2, 3, 4, 5	Learning Activities	30%
1, 2, 3, 4, 5	Exam #1	35%
1, 2, 3, 4, 5	Exam #2	35%

An overall minimum final mark for this course must be 80%.

Please consult with the program area or contact the program chair for further details. A minimum Grade Point Average of 2.0 is required for graduation.

DELIVERY FORMAT

This course is delivered primarily in-person, though supplemented with online learning activities (possibly synchronous or asynchronous).

Note that the delivery format is subject to change.

COURSE WITHDRAWAL INFORMATION

Refer to the YukonU website for important dates.

TEXTBOOKS & LEARNING MATERIALS

Pickar, G. D., Abernathy, A. P., & Swart, B. (2021). Dosage calculations (5th Canadian ed.). Nelson.

Additional learning resources may be found in the Course Offering Information and 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.

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