

## Department of Practical Nurse & Health Care Aide

### COURSE OUTLINE – Spring 2025

#### NP1480 (2): Medication Administration – 2 (1-2-0) 45 Hours for 15 Weeks

Northwestern Polytechnic acknowledges that our campuses are located on Treaty 8 territory, the ancestral and present-day home to many diverse First Nations, Metis, and Inuit people. We are grateful to work, live and learn on the traditional territory of Duncan's First Nation, Horse Lake First Nation and Sturgeon Lake Cree Nation, who are the original caretakers of this land.

We acknowledge the history of this land and we are thankful for the opportunity to walk together in friendship, where we will encourage and promote positive change for present and future generations.

<b>INSTRUCTOR:</b>	Dayna Walker BN, RN Course Lead	<b>PHONE:</b>	780-539-2826
<b>OFFICE:</b>	HEC 349	<b>E-MAIL:</b>	DWalker@nwpolytech.ca
<b>OFFICE HOURS:</b>	By Appointment		
<b>INSTRUCTOR:</b>	Nicki Rosentreter LPN	<b>PHONE:</b>	780-539-2716
<b>OFFICE:</b>	HEC 363	<b>E-MAIL:</b>	NRosentreter@nwpolytech.ca
<b>OFFICE HOURS:</b>	By Appointment		

**CALENDAR DESCRIPTION:** Development of mathematics for practical nursing practice. Focus is on calculating dosages for medication administration for clients across the lifespan.

Note: Available only to practical nursing and psychiatric nursing students.

**PREREQUISITE(S):** Mathematics 20-2 or equivalent, NP1205, NP1250, NP1280, NP1500

**COREQUISITE(S):** NP1400, NP1410, NP1450, NP1600, NP1700

**REQUIRED MATERIALS:** Gray Morris, D.C., & Brown M. (2022) Calculate with Confidence (2nd ed.). Elsevier  
Basic Calculator

DELIVERY MODE(S): In-person lecture and seminar

## LEARNING OUTCOMES:

Upon successful completion of NP 1480 learners will be able to:

1. Calculate accurate medication doses.
2. Identify policies and procedures for medication administration.
3. Identify and discuss the 10 rights of medication administration.
4. Discuss medication error disclosure requirements.
5. Discuss professional development and continuing competence.

## TRANSFERABILITY:

Please consult the Alberta Transfer Guide for more information. You may check the transferability of this course at the Alberta Transfer Guide main page <http://www.transferalberta.alberta.ca>.

\*\* For courses with alpha (letter) grading, a grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. **Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.**

## EVALUATIONS:

Assignment	Weight	Date	Related Course Learning Outcome
Quizzes	20% (2.5% per quiz)	Weekly (x8)	1,2,3,4,5
Case Study	20%	Week 5	1,2,3,4,5
Midterm Exam	25%	Week 8	1,2,3,4,5
Final Exam	35%	In Exam Week	1,2,3,4,5

1. **Quizzes:** The quizzes aim to ensure student preparation and understanding of content before progressing to increasing difficulty in math calculations and problems. Students who are late will not be permitted to write and will receive a grade of zero on the quiz. Students with unexcused absences will not be permitted to write the quiz and will receive a zero. Students with an excused absence will be permitted to write the missed quiz at a later date. It is the student's responsibility to contact the instructor to arrange an alternate time.

2. **Case Study:** The case study will provide students with a scenario that requires them to apply course content to the situation.
3. **Midterm Exam:** The Midterm Exam includes all content covered up to and including Week 7. Question format may include a variety of styles, but not limited to multiple choice, short answer, long answer, matching, fill in the blank, and select all that apply.
4. **Final Exam:** The Final Exam is cumulative and may include all content covered throughout the course. Question format may include a variety of styles, but not limited to multiple choice, short answer, long answer, matching, fill in the blank, and select all that apply.

## GRADING CRITERIA

Please note that most institutions will not accept your course for transfer credit **IF** your grade is **less than C-**.

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	95-100	C+	2.3	67-69
A	4.0	85-94	C	2.0	63-66
A-	3.7	80-84	C-	1.7	60-62
B+	3.3	77-79	D+	1.3	55-59
B	3.0	73-76	D	1.0	50-54
B-	2.7	70-72	F	0.0	00-49

## COURSE SCHEDULE/TENTATIVE TIMELINE:

Week	Topic	Chapters
1	Medication Administration & Rights	8
2	Understanding & Interpreting Medication Orders	9
3	Medication Documentation & Reading Labels	10, 11
4	Math Review	2, 3, 4

5	Systems of Measurement & Conversion	5, 6, 7
6	Dosage Calculation Methods	13
7	Oral & Parenteral Dosage Forms	15, 16, 17
8	MIDTERM EXAM	
9	SPRING BREAK NO CLASSES	
10	Calculating Dosage Based on Weight	22
11	Insulin	18
12	Intravenous	19, 20
13	Heparin	21
14	Review	
15	FINAL EXAM	

## STUDENT RESPONSIBILITIES:

As a student at NWP, you have rights and responsibilities. It is your responsibility to be familiar with the information contained in this Course Outline and the PN student handbook and to clarify any areas of concern with the instructor. It is also your responsibility to be familiar with NWP Policies. Please take the time to familiarize yourself with the policies that might impact you while you are here:

- Practical Nurse Program Student Handbook

[https://docs.google.com/document/d/1rC9OZjozQmSUDuEdrgUaiC0g5\\_8GtIJYx6y7PAtkHyA/edit?tab=t.0](https://docs.google.com/document/d/1rC9OZjozQmSUDuEdrgUaiC0g5_8GtIJYx6y7PAtkHyA/edit?tab=t.0)

- NWP Policies: Northwestern Polytechnic administrative/academic policies NWP Policies Link <https://www.nwpolytech.ca/about/leadership/policies/>

## STATEMENT ON ACADEMIC MISCONDUCT:

Academic Misconduct will not be tolerated. For a more precise definition of academic misconduct and its consequences, refer to the Student Rights and Responsibilities policy available at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

\*\*Note: all Academic and Administrative policies are available on the same page.

Students are expected to make every effort to complete assignments on time. Assignment submissions are expected on the date determined by the faculty. If extensions are necessary, they may be requested up to 48 hours prior to the assignment due date and should be submitted in writing to the faculty member involved for review. Not all extensions will be granted.

In exceptional situations, extension requests within 48 hours may be considered. Late assignments will have 5% of total marks (or one letter grade) for the assignment deducted for each day/partial day (including weekend days) beyond the due date. After 5 days, a grade of 0 will be awarded to the assignment. Papers/assignments may not be rewritten for a higher grade. When submitting assignments electronically, it is the student's responsibility to ensure the assignment has been received. Concerns regarding grading are to be discussed with the faculty member involved.