

Department of Practical Nurse and Health Care Aide

COURSE OUTLINE –Spring 2024

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.

INSTRUCTOR:	Nicki Rosentreter, LPN	PHONE:	780-539-2716
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OFFICE HOURS:	By appointment		

INSTRUCTOR:	Nikki Bennett, RN, BScN	PHONE:	780-539-2890
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OFFICE HOURS:	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 students.

PREREQUISITE(S)/COREQUISITE:

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

COREQUISITE: NP1400, NP1410, NP1450, NP1600

REQUIRED TEXT/RESOURCE MATERIALS:

Gray Morris, D.C., & Brown M. (2022) Calculate with Confidence(2nd ed.). Elsevier

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 to ensure the transferability of this course at the Alberta Transfer Guide main page

<http://www.transferralberta.alberta.ca>.

**** 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
Weekly Quizzes	25% (2% each for quizzes 1-11 and 3% for the final weekly quiz)	Each Week(x12)	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	30%	In Exam Week	1, 2, 3, 4, 5

1. Weekly Quizzes

The weekly quizzes aim to ensure students grasp the math skills needed each week before progressing to increasing difficulty in math calculations and problems. (2% each for quizzes 1-11 and 3% for the final weekly quiz)

2. Midterm Exam

The midterm exam includes all content covered up to and including Week 7. Question format includes a variety of styles including, but not limited to, multiple choice, short answer, long answer, matching, and select all that apply.

3. Case Study

Students will be provided with a case study where a medication error has occurred. Students must recognize the error, identify strategies for preventing the error in future practice, and nursing implications for reporting the error.

4. Final Exam

The final exam is cumulative and includes all content covered throughout the course. Question format includes a variety of styles including, but not limited to, multiple choice, short answer, long answer, matching, and select all that apply. Scheduling of the final exam is set by the Registrar's Office.

GRADING CRITERIA

Please note that most universities 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 (10 Rights of Medication Administration)	8
2	Understanding & Interpreting Medication Orders	9
3	Medication Documentation & Reading Medication Labels	10, 11
4	Math Review (Fractions, Decimals, Ratio & Percentages)	1, 2, 3, 4
5	Systems of Measurement & Conversions	5, 6, 7
6	Dosage Calculation Methods	12, 13, 14
7	Oral and Parenteral Dosage Forms	15, 16, 17
8	***MIDTERM EXAM***	
9	***SPRING BREAK – NO CLASSES***	
10	Insulin	18
11	Intravenous	19, 20
12	Heparin Calculations	21
13	Calculating Dosage Based on Weight	22
14	Calculating Dosage Based on Weight (Continued)	22
15	FINAL EXAM – TBA	

STUDENT RESPONSIBILITIES:

Refer to NWP Academic Policies <https://www.nwpolytech.ca/about/administration/policies/>

For policies related to clinical absences, immunizations, uniforms, and other clinical requirements please see the NWP Department of Nursing Education & Health Studies PN Student Handbook on Myclass.

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.

Additional Information:

Late Assignment Policy:

To obtain credit in the course ALL assignments, examinations, and quizzes must be completed. 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 time.

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

