

NS3110 (A3/B3): Evidence Informed Nursing Practice
3 (3-0-0) 45 Hours/15 Weeks

COURSE OUTLINE – WINTER 2024

DEPARTMENT of NURSING EDUCATION & HEALTH STUDIES

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: Teresa Evans
OFFICE: HEC 341
OFFICE HOURS: Email for Appointment

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CALENDAR DESCRIPTION:

The course provides a hands-on approach to evidence-informed nursing practice. This includes formulating clinical questions, systematic searching of electronic databases, reading, interpreting and critically appraising health research. Emphasis is on developing thinking and information literacy skills necessary to be an astute research consumer and using evidence to inform clinical decision making.

Note: Available only to nursing students in the Collaborative Nursing Program.

PREREQUISITE(S)/COREQUISITE: NS 2115 or Statistics

REQUIRED TEXT/RESOURCE MATERIALS:

Woo, K. (2019). *Polit and Beck: Canadian essentials of nursing research* (4th ed.). Wolters Kluwer Health/Lippincott Williams & Wilkins.

American Psychological Association. (2019). *Publication manual of the American psychological association* (7th ed.). Washington, DC: Author.

SUPPLEMENTAL RESOURCES: Refer to MyClass for additional materials

Canadian Nurses Association. (2017). *Code of ethics for registered nurses*.
[Code of Ethics for Registered Nurses \(hl-prod-ca-oc-download.s3-ca-central-1.amazonaws.com\)](http://hl-prod-ca-oc-download.s3-ca-central-1.amazonaws.com)

DELIVERY MODE(S): All components of this course are delivered in person at the GPRH HEC campus. Lecture will be in the classroom as indicated on the student schedule/section.

COURSE OBJECTIVES: See Learning Outcomes

LEARNING OUTCOMES:

1. Describe the nature and sources of knowledge that inform nursing practice.
2. Demonstrate understanding of research ethics and the nurse's role in relation to research ethics.
3. Demonstrate information literacy skills (for example, formulation of searchable clinical questions and conducting searches of relevant databases).
4. Demonstrate understanding of quantitative, qualitative, and mixed-method research design.
5. Critically appraise primary research and research syntheses.
6. Explain how evidence is used to inform clinical decision-making.

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.transferalberta.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:

Evaluation	Weight	Due Date
*In Class Quizzes (5% each)	20%	Quiz # 1: January 22-26 Quiz # 2: February 5-9 Quiz # 3: March 11-15 Quiz # 4: March 25-28
*Coding Activity (Total 5%)	2%	Reflection Piece Due: February 2 nd , 2024 by midnight.
	3%	Coding Activity: February 12-16 th
*Qualitative Research Critique	5%	February 26-March 1
*Quantitative Research Critique	5%	March 25-28 th
Group Research Project	35%	PICO Question & Group Contract: Due: January 26 th at midnight
		*Presentation in Class: Due: Week of April 1-5 th
Final Exam	30%	Final Exam Week
Total	100%	

** Students must attend class and participate in the activities/quizzes to receive credit for completing. Students may have the opportunity to complete these independently if they are unable to attend classes with 48-hours' notice of absence provided. If the student is absent without notice they will receive a mark of 0 on that assignment.*

1. Quizzes

Each quiz will be comprised of multiple choice, true/false, matching, or multi-select questions and will be completed in class. Quizzes are not cumulative.

2. In Class Coding Activity

Students complete a small qualitative reflection that will be used by the class to practice coding for qualitative research. Reflections will be submitted earlier for the instructor to compile everyone's information and print it for the in-class activity. In groups, students will use the data to begin coding the information into themes. Class discussion will focus on what themes were produced, what similarities and differences occurred and why, and considerations a researcher must take when analyzing qualitative data.

3. In Class Qualitative Research Critique

To apply what has been learned in previous classes related to qualitative research, students will choose an article and in groups of 3-4 critique the components of the study. Questions to answer for the critique will be provided. Students will utilize the textbook that identifies essential components of qualitative studies. Aspects of the critique will focus on the methodology, sample, setting, data collection procedures, trustworthiness, analysis, findings, and discussion.

4. In Class Quantitative Research Critique

To apply what has been learned in previous classes related to quantitative research, students will choose an article and in groups of 3-4 critique the components of the study. Questions to answer for the critique will be provided. Students will utilize the textbook that identifies the essential components of quantitative studies. Aspects of the critique will focus on methodology, sample, setting, data collection procedures, Rigour, analysis, findings, and discussion.

5. Group Research Project: Evidence Informed Research Assignment

The purpose of this assignment is to:

- Identify a research practice question,
- Conduct a literature review (8-10 articles),
- Synthesize what was learned from the literature review,
- Integrate current evidence into a strategy, and,
- Articulate the impact these findings have on clinical practice.
- Present findings in a 15-minute presentation (including questions) as well as participate by actively asking questions of other groups.

Students will work in groups of 3-4 students. One grade will be assigned per group. You will choose an area of nursing practice to research (eg. Mental Health, Maternal/Child, Surgery, Medicine).

Students will submit to the instructor their clinical practice question via email for approval. Instructor will ensure no two research questions are alike. Approval must be obtained prior to moving forward with the literature review.

Prior to the presentation day, the group's Powerpoint presentation will be submitted via assignment drop box in My Class as well as a word document highlighting articles used in the assignment in the form of a table.

Refer to My Class for further assignment description and grading rubric. The table for evaluating and synthesizing the articles in the literature review is also located on My Class.

6. Final Exam

Content covered in the final exam includes all preparatory work on My Class and the textbook chapters as well as in-class activities. Final exam will occur during exam week at the end of the course. The exam will be a written, closed book exam composed of multiple choice, multi-select, fill-in-the-blank, and matching questions. The purpose of the exam is to examine the student's understanding of the content and the application of knowledge. Please refer to the final exam policy located on the NWP website for further information.

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

Assignments are marked as raw scores according to the percentage weight assigned to each. The marks on course assignments will contribute to the overall letter grade according to the percentage that each assignment is weighted in the course.

At the end of the course, all assignment scores are totaled for a term summary mark in the course based on the grading scale above. The Final course grade is based on the cumulative total of student's weighted assignment marks. Final course grade must be a C- to pass the course.

SPECIALIZED SUPPORTS AND DUTY TO ACCOMMODATE

Specialized Support and Duty to Accommodate are aligned with the office of Disability Support Services: Learner Assistance Program (LAP) guided by federal and provincial human rights legislation and defined by a number of NWP Policies. NWP is obligated by legislation to provide disability-related accommodations to students with identified disabilities to the point of undue hardship.

If you have a documented disability or you think that you would benefit from some assistance from a disability's counselor, please call or visit the Disability Supports Office (780) 539-2722 to book an appointment. Services and accommodations are intended to assist you in your program of study, while maintaining the academic standards of NWP. We can be of assistance to you in disclosing your disability to your instructor, providing accommodations, and supporting your overall success at Northwestern Polytechnic.

IMPORTANT DATES:

Students are to refer to the 2023-2024 [Northwestern Polytechnic Important Dates](#) document.

NURSING PROGRAM POLICIES:

Students are to refer to the 2023-2024 [Northwestern Polytechnic Academic Calendar](#) and the *University of Alberta Collaborative Baccalaureate Nursing Program with Northwestern Polytechnic Student Handbook* for specific nursing program policies that may pertain to the course.

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 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. Not all extensions will be granted. In exceptional situations, extension requests within the 48-hour period 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. For example, a paper marked at B+ would receive an adjusted grade of B if handed in one day late. After 5 days, a grade of 0 will be awarded to the assignment. If the late penalty places the grade below the necessary pass grade, students will be unsuccessful in the course. When submitting assignments electronically, it is the student's responsibility to ensure the assignment has been received. Papers/assignments may not be rewritten for a higher grade. Concerns regarding grading are to be discussed with the faculty member involved.

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 BScN 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:

- NWP Department of Nursing Education & Health Studies Handbook: On My Class
- NWP Policies: <https://www.nwpolytech.ca/about/administration/policies/>
- NWP Students Rights & Responsibilities Policy on the link above

STATEMENT ON ACADEMIC MISCONDUCT:

Academic Misconduct will not be tolerated. For a more precise definition of academic misconduct and its consequences, refer to the policy available at

<https://www.nwpolytech.ca/about/administration/policies/fetch.php?ID=69>

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

COURSE SCHEDULE/TENTATIVE TIMELINE:

Week	Topic	Preparation
Week 1 January 8-12	Orientation Introduction to Nursing Research & Evidence-Based Practice	Chapters 1 & 2 MyClass
Week 2 January 15-19	Key Concepts & Steps in Quantitative & Qualitative Research Ethics in Research Research Problems, Questions & Hypothesis	Chapter 3, 5, 6 MyClass
Week 3 January 22-26	Finding & Reviewing Research Evidence in Literature Reading & Critiquing Research Articles Guest Speaker – Amanda Wills Quiz # 1 (Chapters 1-3, 5 & 6)	Chapters 4 & 7 MyClass
Week 4 Jan. 29-Feb 2	Theoretical and Conceptual Frameworks Qualitative Designs and Approaches Coding pre-work	Chapters 8, 11 & 12 MyClass
Week 5 February 5-9	Sampling and Data Collection in Qualitative Studies Analysis of Qualitative Data Trustworthiness and Integrity in Qualitative Research Quiz # 2 (Chapters 4, 7, 8, 11 & 12)	Chapters 16, & 17 MyClass
Week 6 February 12-16	In Class Coding Assignment	None
Week 7 February 19-23	NO SCHOOL-WINTER BREAK	
Week 8 Feb 26-Mar 1 st	In Class Qualitative Research Critique	MyClass
Week 9 March 4 - 8	Quantitative Research Design Sampling & Data Collection in Quantitative Studies	Chapters 9 & 10 MyClass
Week 10 March 11-15	Statistical Analysis of Quantitative Data Interpretation & Clinical Significance in Quantitative Research Quiz # 3 (Chapters 9, 10, 16, 17)	Chapters 14 & 15 MyClass
Week 11 March 18-22	Mixed Methods Design Systematic Reviews	Chapters 13 & 18 MyClass
Week 12 March 25-28	In Class Quantitative Research Critique Quiz # 4 (Chapters 13, 14, 15 & 18)	Read Critique Article posted prior to class
Week 13 April 1-5	Group Presentations	Logic Model in Class
Week 14 April 8-12	Review Class	
Final Exam	NWP Exam Week	