



## **Nursing 3340A: Understanding and Using Research: Analyzing Data**

Dr. Amanda McIntyre PhD RN  
Arthur Labatt Family School of Nursing  
amcint7@uwo.ca

Academic Term: Fall 2023

**Class Time & Location:** Online Asynchronous

**Office:** FIMS Nursing Building, Room 3332

**Office Hours:** By Appointment (in person or via Zoom)

**Teaching Assistants:** Pierre Irafasha ([rpierrei@uwo.ca](mailto:rpierrei@uwo.ca)); Alice Nyirazigama ([anyirazi@uwo.ca](mailto:anyirazi@uwo.ca));  
Modupeoluwa Eytayo Olajide ([molajide@uwo.ca](mailto:molajide@uwo.ca))

## Understanding and Using Research: Analyzing Data

---

### **Calendar Description**

Students are introduced to basic concepts and techniques used to analyze both qualitative and quantitative data. This will include descriptive and inferential statistics and common methods for qualitative analysis and interpretation.

### **Expanded Description**

The ability to interpret data analysis, critically analyze research results and implications enables nurses to engage in evidence informed practice. The course is an extension of the content covered in the research course (N2250) and will provide you with a basic foundation in the methods of quantitative and qualitative data analysis commonly encountered in published research.

In this course, you will focus on interpreting data output and study findings of published research articles that will be presented in the lectures and covered in the group assignments. Although this is not a course to equip you with the knowledge to independently perform sophisticated analyses of complex healthcare datasets, the course will include some basic analytic methods as well as underlying assumptions. While the main emphasis will be on developing the ability to critically interpret published research articles, the course will also use data analysis techniques in lectures, in

American Psyc

data analysis. This is an excellent question and is partially addressed by the recognition of nursing as a health sciences profession. Inherent in many definitions of a profession is the notion that

## Course Schedule and Readings

Week	Dates (Mon-Sun)	Topic	Textbook Readings
1	Sept 7-10	Introduction to course, OWL navigation, review group assignments and course materials	Chapter 1 Chapter 2: 2.1, 2.4. 2.5, 2.6, 2.7
2	Sept 11-17	Intro to Quantitative and Qualitative Data Analysis <b>*Tri-Council Policy Statement (due by Sept 17 at 2355 hr)</b>	Chapter 4: 4.1-4.4 Chapter 7: 7.1-7.2 Chapter 13: 13.1-13.4

3

*Knowledge Consolidation Exercise* you will be provided a TCPS 2 certificate

students are expected to demonstrate professional responsibility through regular participation in all scheduled learning activities. Much of the learning that takes place is a result of preparation and engagement with the course material and active dialogue with colleagues and faculty. Lack of engagement with the material

### **Statement on Plagiarism**

Student work is expected to be original; assignments and online postings should be written in your own words. An idea or a passage from another author must be acknowledged by using quotation marks, where appropriate, and proper APA 7<sup>th</sup> Ed. referencing.

While use of AI-based content creating platforms (e.g., ChatGPT) can be useful to assist in information collection and problem-solving of complex scenarios, outputs generated from these platforms need to attribute in terms of direct citation/quote and referencing as per writing style (e.g., APA 7th), if used in assignments or course participation. In other words, AI-generated content, while interesting and potentially informative to assist in the refinement of ideas and insights, should not be used verbatim or suggested to be original content generated by student(s) for assignments in this course. If outputs from AI-based content creating platforms are used verbatim, they must be attributed and cited accordingly.

*Physical Health, Wellness Education and Mental Health:* Connect with Student Health Services at Western here: <https://www.uwo.ca/health/Physical%20Health/index.html>

*Indigenous Student Center* staff and Elders are available to support you personally, academically and culturally. Reach out at: <https://indigenous.uwo.ca/students/>

For services related to inclusion, equity and diversity visit *Equity and Human Rights Services*: <https://www.uwo.ca/equity/>

View Westerns *Anti-Racism Working Group Report* here: <https://president.uwo.ca/anti-racism/>