

Math 0212:
Quantitative Methods for the Health Scientist
Spring 2023 Online

Instructor: Alex Hudyma **Office:** RB 2006 **Email:** akhudyma@lakeheadu.ca

“Class” Times: MTWThF 8:30-11:30 am ET

Recommended Textbook: *Elementary Statistics: A Brief Version*, 8th Edition, by A. G. Bluman.

Course Webpage: There is a page for the course on myCourseLink through myInfo. Announcements, theWeBWoRK link, quizzes, Kahoots!, due dates, lecture notes, the syllabus, and any other course information will all be posted here.

Course Content: We will cover the majority of the textbook material. By the end of the course students will be able to: summarize raw data graphically; calculate measures of central tendency and variation for data sets and distributions; compute probabilities and expected values; make predictions using the normal distribution; construct and utilize confidence intervals; perform hypothesis tests and draw appropriate conclusions; describe relationships between variables using correlation coefficients and regression lines; and compare three or more population means using one way Analysis of Variance.

Class Policies: There are still policies even though the instruction is online. Please be respectful to your fellow students. Lakehead University will not tolerate any form of harassment or discrimination to students or instructors. While working together to understand the concepts is encouraged, academic dishonesty (plagiarism, cheating, or impersonation of any kind) is a serious offence and penalties will be strictly enforced.

Grading Scheme:	Participation	5%
	Assignments	20%
	Quizzes	30%
	Final Exam	45%

Participation: There will be 11 quiz games to be completed via Kahoot!. These questions will help prepare you for the quizzes, and I will only be recording completion of these games, not how you score on them.

Quizzes: There will be 11 quizzes to be completed via myCourseLink. Please note that late quizzes will not be accepted under any circumstances, but your lowest quiz mark will be dropped in calculating your final grade.

Assignments: There will be 11 homework assignments to be completed via WeBWorK. Please note that late assignments will not be accepted under any circumstances, but your lowest assignment mark will be dropped in calculating your final grade.

Final Exam: The final exam will be scheduled by the registrar for Saturday, May 21st. It will be a three hour, cumulative, open book exam completed online through myCourseLink.

Accommodations: Lakehead University is committed to achieving full accessibility for persons with disabilities. This includes arranging academic accommodations for students with disabilities and/or medical conditions to ensure they have an equitable opportunity to participate in all of their academic activities. If you are a student with a disability and think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please contact Student Accessibility Services <http://studentaccessibility.lakeheadu.ca> (SC0003, 343-8047, or sas@lakeheadu.ca).

Important Dates:	May 1 st	First Day of Classes
	May 3 rd	Final Date to Register
	May 11 th	Final Date to Withdraw
	May 19 th	Last Day of Classes
	May 20 th	Final Exam
	May 21 st	Exam Contingency Date