

Math 0212:
Quantitative Methods for the Health Scientist
Spring 2021 Online

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

Office Hours: By Zoom appointment.

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, your WeBWorK login info, quizzes, due dates, lecture notes, the syllabus, the discussions board, 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 basic 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 two 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 on the discussions board. 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:	Quizzes	30%
	Assignments	30%
	Final Exam	40%

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 for Saturday, May 22nd from 1:00-4:00 pm Eastern Standard Time during the spring examination period. It will be a three hour, cumulative, open book exam submitted 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 3 rd	First Day of Classes
	May 5 th	Final Date to Register
	May 13 th	Final Date to Withdraw
	May 21 st	Last Day of Classes
	May 22 nd	Final Exam
	May 23 rd	Exam Contingency Date