

Math 0212 FA:
Quantitative Methods for the Health Scientist
Fall 2021

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

Class Times: Mondays and Wednesdays, 12:30 - 2:00 pm EST in RB 1042

Lab Times: Mondays, 2:00 - 3:00 pm EST in RB 1042

Office Hours: Fridays (in-person), 12:30 - 1:30 pm or via 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, exams, due dates, completed chapter notes, the syllabus, and any other course information will 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.

Labs: The lab immediately following Tuesday's lecture will give students the opportunity to ask questions about course content and problems. There will also be quizzes given at the start of lab time (see "Quizzes").

Class Policies: Paying attention during lecture, asking and answering questions, and otherwise participating when prompted are all ways to respect myself and your fellow students. Lakehead University will not tolerate any form of harassment or discrimination to students or instructors. Academic dishonesty (plagiarism, cheating, or impersonation of any kind) is a serious offence and penalties will be strictly enforced.

Grading Scheme:	Assignments	10%
	Quizzes	15%
	Test I	20%
	Test II	20%
	Final Exam	35%

Assignments: Homework will be assigned almost every week and is to be completed by the following Friday via the online homework system 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.

Quizzes: There will be nine quizzes to be completed in myCourseLink. They are scheduled for the start of each lab time (2:00) every week aside from test weeks. Note that there will be no make up quizzes under any circumstances, but your lowest quiz mark will be dropped in calculating your final grade.

Tests: There will be two tests given during lecture time, scheduled for Wednesday October 6th and Wednesday November 10th. They will be open-book and are to be completed through myCourseLink. Make up tests will only be arranged if a legitimate and documented reason is given (i.e. a doctor's note) no later than 3 business days after missing a test.

Final Exam: The final exam will be scheduled by the registrar during the examination period. The final will be a three hour open-book cumulative exam.

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:	September 7 th	First Day of Fall Term
	September 20 th	Final Date to Register
	October 6 th	Test I
	October 11 th -15 th	Fall Reading Week
	November 5 th	Final Date to Withdraw
	November 10 th	Test II
	December 6 th	Last Day of Fall Term
	December 9 th -19 th	Examination Period
	December 20 th	Exam Contingency Date