

**Math 0212 FY:**  
**Quantitative Methods for the Health Scientist**  
Fall 2022

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

**Class Times:** Tuesdays 10:30am - 12:00pm, Thursdays 8:30am - 10:00am (Central time)

**Lab Times:** Fridays 9:00am - 10:00am (Central time)

**Office Hours:** 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, due dates, lecture 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 using distributions and graphs; calculate measures of central tendency, variation, and position for data sets; 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 three or more population means using one way Analysis of Variance.

**Labs:** The lab on Fridays 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.

<b>Grading Scheme:</b>	Assignments	12%
	Quizzes	12%
	Test I	12%
	Test II	12%
	Test III	12%
	Final Exam	40%

**Assignments:** Homework will be assigned every week via the online homework system WeBWoRK. You will have until 9:00 pm CT on Sunday to complete that week's assignment, though the recommended due date will be Friday as I will not respond to homework emails over the weekend. Please note that late assignments will not be accepted, but your lowest assignment mark will be dropped in calculating your final grade.

**Quizzes:** There will be eight quizzes to be completed in myCourseLink. They are scheduled for the start of each lab time (9:00 am) every week aside from test weeks, and the material to be covered will be announced in myCourseLink. Note that there will be no make up quizzes, but your lowest quiz mark will be dropped in calculating your final grade.

**Tests:** There will be three tests scheduled for Tuesday, October 4<sup>th</sup>, Friday, October 21<sup>st</sup>, and Friday, November 11<sup>th</sup>. You will be allowed a scientific calculator and one double-sided 8.5x11" formula sheet. Make up tests will only be arranged if a legitimate and documented reason is given (i.e. a doctor's note) as soon as possible.

**Final Exam:** The final exam will be scheduled by the registrar during the examination period. The final will be a three hour cumulative exam, and you will be allowed a scientific calculator as well as two double-sided 8.5x11" formula sheets.

**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](mailto:sas@lakeheadu.ca)).

<b>Important Dates:</b>	September 6 <sup>th</sup>	First Day of Fall Term
	September 19 <sup>th</sup>	Final Date to Register
	October 4 <sup>th</sup>	Test I
	October 10 <sup>th</sup> -14 <sup>th</sup>	Fall Reading Week
	October 21 <sup>st</sup>	Test II
	November 4 <sup>th</sup>	Final Date to Withdraw
	November 11 <sup>th</sup>	Test III
	December 6 <sup>th</sup>	Last Day of Fall Term
	December 8 <sup>th</sup> -18 <sup>th</sup>	Examination Period
	December 19 <sup>th</sup>	Exam Contingency Date