

**Math 0212:**  
**Quantitative Methods for the Health Scientist**  
Fall 2019

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

**Class Times:** Tuesdays and Thursdays, 4:00-5:30 pm in AT 1003.

**Lab Times:** Tuesdays, 5:30-6:30 pm in AT 1003.

**Office Hours:** Wednesdays, 3:00-4:00 pm in RB 2006.

**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 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 participation quizzes given during lab time (see "Bonus Marks").

**Class Policies:** Showing up to class on time, keeping your phone on silent, and limiting talking to outside of the classroom 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	15%
	Test I	25%
	Test II	25%
	Final Exam	35%

**Assignments:** Homework will be assigned almost every week and is to be completed by the following Wednesday 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.

**Tests:** There will be two tests given during lecture time, scheduled for Thursday, October 3rd and Thursday, November 7th. You will be allowed a nonprogrammable calculator and one double-sided 8.5x11" sheet of notes. Please note that there will be no makeup tests. If a legitimate and documented reason is given (i.e. a doctor's note) no later than 10 days after missing a test, then the weight will be transferred onto the other test.

**Final Exam:** The final exam will be scheduled by the registrar during the examination period. You will be allowed a nonprogrammable calculator and two double-sided 8.5x11" sheets of notes. The final will be a three hour cumulative exam.

**Bonus Marks:** There will be nine online quizzes during lab time throughout the semester. These will be completed via myCourseLink for participation and not graded. Each quiz completed will earn one extra mark on the final exam, for a total of up to 9% bonus on your final exam grade.

**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 3 <sup>rd</sup>	First Day of Fall Term
	September 16 <sup>th</sup>	Final Date to Register
	October 3 <sup>rd</sup>	Test I
	October 14 <sup>th</sup>	Thanksgiving (University closed)
	October 15 <sup>th</sup> -18 <sup>th</sup>	Fall Reading Week
	November 7 <sup>th</sup>	Test II
	November 8 <sup>th</sup>	Final Date to Withdraw
	December 2 <sup>nd</sup>	Last Day of Fall Term
	December 5 <sup>th</sup> -15 <sup>th</sup>	Examination Period
	December 16 <sup>th</sup>	Exam Contingency Date