Math 1077:
Sequences and Series
Winter 2020

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

Class Times: Monday Wednesday Friday 8:30-9:30am in RB 1045.

Lab Times: Friday 9:30-11:30am in RB 1045.

Office Hours: By appointment.

Textbook: There is no required textbook for the course. There are many great resources online, as well as in the library. Here is one suggested resource for additional explanations and practice problems:

Essentials of Technical Mathematics with Calculus (2nd Edition) by Richard Paul

Course Webpage: There is a page for the course on mycourselink through myinfo. Announcements, the WeBWoRK link, important dates, lecture notes, the syllabus, and any other course information will all be posted here.

Course Content: By the end of the course students will be able to: correctly apply exponent and logarithm rules; solve exponential and logarithmic equations; graph exponential and logarithmic functions; find general terms of given sequences; recognize arithmetic and geometric progressions and compute terms; calculate limits of infinite sequences; apply the binomial theorem; and test for divergence or convergence of series using a variety of tests.

Labs: The two hour lab on Fridays will give students the opportunity to ask questions about course content and practice problems.

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.

Grading Scheme:	Assignments	15%
	Tests I	15%
	Test II	15%
	Test III	15%
	Final Exam	40%

Assignments: Homework will be assigned every week and is to be completed the following Monday 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 three tests worth 15% each (see schedule below). There will be no books, notes, or calculators allowed. Please note that there will be **no** makeup tests. If a legitimate and documented reason is given (i.e. doctor's note) no later than 10 days after missing a test, then the weight will be transferred to the other tests.

Final Exam: The final exam will be scheduled by the registrar during the examination period. It will be a three hour cumulative exam with no books, notes, or calculators allowed.

Bonus Marks: There will be 10 small "quizzes" given during lecture throughout the semester. They will consist of a few short problems related to the lecture material that day. They will not be announced ahead of time and there will be no make up quizzes given under any circumstances. Each quiz completed (regardless of your score on the quiz) will earn you one extra bonus mark on the final exam for up to 10% bonus on the final.

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:

Date	Event
January 6th	First Day of Winter Term
January 17th	Final Date to Register
January 24th	Test I
February 14th	Test II
February 17th	Family day (University closed)
February 18th-21st	Winter Reading Week
March 6th	Final Date to Withdraw
March 13th	Test III
April 3rd	Last Day of Winter Term
April 6th-19th	Examination Period
April 20th	Exam Contingency Date