

**Math 1051 FA:**  
**Functions and Trigonometry**  
Fall 2019

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

**Class Times:** Mondays, Wednesdays, and Fridays, 4:30-5:30, in RC 1003

**Lab Times:** Mondays, 2:30-4:30 pm.

**Office Hours:** Wednesdays, 3:00-4:00 pm

**Textbook:** *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, your WeBWorK login info, due dates, the syllabus, and any other course information will be posted here.

**Course Content:** By the end of the course students will be able to: understand the concept of a function; graph functions using the Cartesian coordinate system; find the domain and range of a variety of functions; successfully compose two functions; define one-to-one and onto functions; compute inverses of functions; solve linear equations and inequalities; write and interpret solutions using interval notation; convert angles between radians and degrees; compute trigonometric ratios and recall special triangles; solve trigonometric equations; and convert between polar and rectangular coordinates.

**Labs:** The lab immediately preceding Monday's lecture will give students the opportunity to ask questions about course content and problems. There will also be bonus assignments 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	15%
	Test II	15%
	Test III	15%
	Final Exam	40%

**Assignments:** Homework will be assigned every week and is to be completed by the following Tuesday 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 given during lecture time, scheduled for Friday, September 27th, Friday, October 25th, and Friday, November 15th. These will be closed book. 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 tests.

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

**Bonus Marks:** There will be twelve bonus assignments given during lab time throughout the semester. These will be completed on paper. Each correctly completed assignment will earn one extra half mark on the final, for a total of up to 6% 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).

<b>Important Dates:</b>	September 3 <sup>rd</sup>	First Day of Fall Term
	September 16 <sup>th</sup>	Final Date to Register
	September 27 <sup>th</sup>	Test I
	October 14 <sup>th</sup>	Thanksgiving (University closed)
	October 15 <sup>th</sup> -18 <sup>th</sup>	Fall Reading Week
	October 25 <sup>th</sup>	Test II
	November 8 <sup>th</sup>	Final Date to Withdraw
	November 15 <sup>th</sup>	Test III
	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