Math 1051 FA:
Functions and Trigonometry

Instructor: Alex Hudyma   **Office:** RB 2005   **Email:** akhudyma@lakeheadu.ca

Class Times: Mondays, Wednesdays, and Fridays, 2:30 pm - 3:30 pm in RB 3024

Lab Times: Tuesdays, 10:30 am - 12:30 pm in BB 1054

Office Hours: Tuesdays 1:00 - 2:00 pm in RB 2005

Textbook: *Algebra and Trigonometry* by Jay Abramson via OpenStax, found at:
https://openstax.org/details/books/algebra-and-trigonometry

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 on Tuesdays will give students the opportunity to ask questions about course content and problems. Tests will also be held during the lab time.

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:		
	Participation	5%
	Assignments	10%
	Test I	20%
	Test II	20%
	Oral Exam	15%
	Final Exam	30%

Participation: MathMatize games will be played at random during lecture. Completing a game will contribute 0.5% to your grade, so you must complete 10 throughout the semester to fulfil this component.

Assignments: Homework will be assigned every week and is to be completed by the following Sunday by 11:59 pm via the online homework system WeBWoRK. Please note that late assignments will not be accepted under <u>any</u> 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 Tuesday, October 17th and Tuesday, November 14th. 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 3 business days after missing a test, then the weight will be transferred onto the other tests.

Oral Exam: There will be a one on one oral examination to assess conceptual understanding of the material. The oral exam will be scheduled at the end of the semester. Students will be given a list of questions in advance to prepare, and during the exam will be asked randomly selected questions from the list.

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 5th	First Day of Fall Term
	September 18th	Final Date to Register
	October 17th	Test I
	October 9th-13th	Fall Reading Week
	November 3rd	Final Date to Withdraw
	November 14th	Test II
	December 4th	Last Day of Fall Term
	December 7th-17th	Examination Period
	December 18th	Exam Contingency Date