Mathematics 1051 WDE
ISTEM – Functions and Trigonometry

Instructor: John Kimball

Lecture Schedule: MTWThF, 1:30pm – 3:30pm (CT), Zoom

Office Hours: Tuesdays 8:00am – 9:00am (CT) or by appointment, via Zoom

Email: jfkimbal@lakeheadu.ca

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, Assignments, 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.

Course Evaluation:

Assignments	20%	MidTerm Exam	25%
Test #1	10%	Final Exam	35%
Test #2	10%	Total	100%

Attendance: Students are expected to attend every class and on time. Being late to class is disruptive and disrespectful to the instructor and your peers. Furthermore, coming to every class greatly increases your chances in being successful in this course.

Assignments: Working regularly on the assignments is essential for success in this course. Students are also strongly encouraged to do as many problems on their own as their time permits from the extra practice problems.

Penalty for Late Assignments:

Late	Deduction	Late	Deduction
Less Than 1 Day	10%	More than 3 Days	100%
Between 1 and 3 Days	20%		

Test #1 & #2: Test #1 will be on **Tuesday, February 15th, 2022**; Test #2 will be on **Thursday, March 31st, 2022**. Students who will not be able to write these days for a valid reason, e.g. religious or illness (medical note is required), must inform me. An alternative plan will be conjured to ensure you have equal opportunity as your peers to be assessed.

Exams: There will be a MidTerm Exam held on **Friday, March 11th, 2022** (1:30pm – 3:30pm CT) and a Final Exam held on **Friday, May 6th, 2022** (1:30pm – 4:30pm CT).

Electronic Devices: In order to be successful in class and minimize distractions for others, cell phones, iPods and other electronic devices must be turned off while lectures are in progress. In an emergency situation, the instructor may give a student permission to use a cell phone or pager.

Appropriate Language: In all areas of the University environment, students are responsible to show respect for others.   Swearing, or language that is discriminatory or derogatory in relation to race, sex, ethnic background, religious beliefs, age and physical condition is not appropriate.

Students with Disabilities or Chronic Conditions: Reasonable accommodations are available for students with a documented disability or chronic condition. It is the student's responsibility to seek these accommodations. If a student has a disability or chronic condition and may need accommodation to fully participate in this class, he/she should contact the Student Accessibility Services located at SC0003 or by phone: 343-8047.

Math 1051 – WDE Course Plan

Day	Date	Activity	Day	Date	Activity
1	Jan 24	• **Course Intro** • Section 1.1	30	14	• Section 6.1, 6.2
2	25	• Section 1.2	31	15	• Section 6.3, 6.4
3	26	• Section 1.3	32	16	• Section 6.5, 6.6
4	27	• Section 1.4	33	17	• Section 6.7
5	28	• **Practice Problems**	34	18	• **Practice Problems**
6	31	• Section 1.5	35	21	• Section 7.1
7	Feb 1	• Section 1.6	36	22	• Section 7.2
8	2	• Section 2.1 • **Assignment #1 – Due**	37	23	• Section 7.3 • **Assignment #6 – Due**
9	3	• Section 2.2, 2.3	38	24	• Section 7.4
10	4	• **Practice Problems**	39	25	• **Practice Problems**
11	7	• Section 2.5	40	28	• Section 8.1
12	8	• Section 2.6	41	29	• Section 8.2 • **Assignment #7 – Due**
13	9	• Section 2.7 • **Assignment #2 – Due**	42	30	• Review
14	10	• Section 3.1, 3.2	43	31	• Test #2
15	11	• **Practice Problems**	44	Apr 1	• **Practice Problems**
16	14	• Review	45	11	• Section 8.3
17	15	• Test #1	46	12	• Section 9.1
18	16	• Section 3.3 • **Assignment #3 – Due**	47	13	• Section 9.2, 9.3, 9.4 • **Assignment #8 – Due**
19	17	• Section 3.4, 3.5	48	14	• **Practice Problems**
20	18	• **Practice Problems**	49	19	• Section 9.5
21	22	• Section 3.6, 3.7	50	20	• Section 10.1
22	23	• Section 5.1, 5.2 • **Assignment #4 – Due**	51	21	• Section 10.2, 10.3 • **Assignment #9 – Due**
23	24	• Section 5.3	52	22	• **Practice Problems**
24	25	• **Practice Problems**	53	25	• Section 11.1, 11.2
25	28	• Section 5.4, 5.5	54	26	• Section 12.1
26	Mar 1	• Section 5.6	55	27	• Section 12.2 • **Assignment #10 – Due**
27	2	• **Practice Problems** • **Assignment #5 – Due**	56	28	• Section 12.3
28	3	• Review	57	29	• **Practice Problems**
29	4	• Review			• Review (Record)