MATH 201
Elementary Functions
Section EC
Winter 2021

This syllabus is subject to change and any changes will be posted in the Announcements section of your eConcordia portal.

Disclaimer: In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.

About this Course

What is MATH 201?

MATH 201 is a course offered by the Department of Mathematics and Statistics. This course is intended to give students a solid foundation in Precalculus to succeed in future Science-level Mathematics courses.

The first half of the course explores functions such as lines, quadratic functions, rational functions, exponentials, and logarithms. The second half is about trigonometry, the branch of mathematics devoted to the relationships between the sides and angles of a triangle. Real-life applications of functions and trigonometry will also be covered.

There are no tutorials for this online section of MATH 201.

Note: Students who have received credit or exemption for MATH 203 or equivalent, or for a course having MATH 203 or equivalent in its sequence of prerequisites, may not take this course for credit. Students in programs leading to the BSc degree or the BA programs in Mathematics and Statistics may not take this course for credit to be applied to their program of concentration.

Instructor

Name: Georgeana Bobos-Kristof

E-mail: math201@econcordia.com

Include the following information in all your e-mail communication:

- Full name

- Concordia student ID number
- Course name and number pertaining to your inquiry

Note: Please e-mail your instructor if you have general inquiries, or if there is a delay in hearing back from your TA.

Course Material

The material for this course consists of the MATH 201 course website which includes video lectures and examples, self-assessments, assignments, and a discussion board.

The optional textbook is: **An Investigation of Functions, Edition 1.5** by David Lippman and Melonie Rasmussen. This online book can be downloaded at no cost from:

http://www.opentextbookstore.com/precalc/index-first.html You can use this book for extra practice. Some recommended problems from the book will be posted along with solutions.

Course Website

The Course Website can be accessed at www.econcordia.com using your username and password. Your eConcordia account will be valid until the end of the term for which you are registered. If you are unable to access the materials on the Course Website, contact the eConcordia Help Desk electronically at helpdesk@econcordia.com.

Announcements

The Announcements section of the course website is our means of communicating important changes and updates to you on a regular basis. Please ensure that you keep up to date by reading the announcements on a weekly basis. The announcements are found in the centre of your eConcordia homepage. To receive announcements in your email inbox, click on ***My Account*** on your eConcordia homepage, select the box next to ***I would like to receive course announcements by email*** (below your personal information), and click **Update**.

Assessments

Assignments

All students will be given access to an online system called WeBWorK to complete assignments. Starting in Week 2, there will be an assignment due every Sunday night at 11:59PM. **Late assignments will NOT be accepted.**

Only the best 10 out of 12 assignments will count towards your final grade. **There will be no accepted reason for missing a WeBWorK assignment** (e.g. illness or computer issue) because the two lowest scores will not be counted anyway.

Instructions for logging into WeBWorK and using it can be found on the Course Website.

Self-Assessments

Each lesson also has a Self-Assessment to test your understanding of the lesson. Hints and solutions are provided for all questions.

Self-Assessments do NOT contribute towards your grade, but completing them is essential for success in this course. It is recommended that you finish the Self-Assessment before starting the assignment.

Midterm Test

The ONLINE midterm test will be held on **March 11**. It will be available on the Course Website from 9:00AM to 11:59PM (ET). You will have 75 minutes from your start time or until the midterm closes at 11:59PM (ET), whichever comes first.

The test will be based on the material from **Lessons 1 to 6**. You will need a calculator, pen & paper to work out the answers.

You should complete the midterm using an updated browser. Do not exit the window until you have answered all the questions and get your result.

Note: It is the Department's policy that tests missed for any reason cannot be made up. If you miss the midterm exam **because of illness (medical note required),** the final exam will count for 85% of your final grade, and the assignments will count for the remaining 15%. In that case, the medical note or certificate must be sent to your instructor **as soon as possible**.

Final Exam

The final ONLINE PROCTORED examination will cover all the material in the course. **NOTE:** Students are responsible for finding out the date and time of the final exams once the schedule is posted by the Examinations Office. Conflicts or problems with the scheduling of the final exam must be reported directly to the Examinations Office, not to your instructor.

Grades

Grading Scheme

The final grade will be calculated using the HIGHER of Plan A or Plan B:

PLAN A: 10% assignments, 35% online midterm exam, 55 % final exam

PLAN B: 10% assignments, 20% online midterm exam, 70 % final exam

To pass this course, you must receive a minimum score of 50% on the final exam.

Mark Breakdowns

Letter Grade	Percentage (%)	Letter Grade	Percentage (%)
A+	90 to 100	C	64 to 66
A	85 to 89	C-	60 to 63
A-	80 to 84	D+	57 to 59
B+	77 to 79	D	54 to 56
B	74 to 76	D-	50 to 53
B-	70 to 73	F	Less than 50
C+	67 to 69		

Your final letter grade for the course will be posted in your MyConcordia Portal at the end of the term.

Communication and Extra Help

Teaching Assistants

By Week 2, each student registered in this course will be assigned a Teaching Assistant (TA). TAs will help you with your studies, especially with any math questions you have. TAs are not required to help you with technical issues.

To access your TA's name and contact information, click on the Discussion Groups link of your eConcordia account. If you have not been assigned to a TA by Week 2, send an e-mail with your name, student ID number, and the name of your course (MATH 201) to discuss@econcordia.com and you will be assigned to a TA.

Allow for a 24 hour response time during the week (Monday-Friday). TAs check their messages once over the 48 hour weekend period and are not available on statutory or university holidays.

Discussion Board

The Discussion Board is a versatile tool in an online course. All students can ask questions and all students can read and answer the questions. Here are some guidelines to follow:

- Do not post any personal information. Keep all postings pertinent to the course material.
- Questions about grades or questions of a personal nature must be addressed directly to your instructor.
- Ask or answer questions about the ideas of the course, the self-assessments, the textbook, examples from videos, or any calculator issues.
- **Do not ask others to solve your assignment problems. (Asking for a hint or help getting started is okay.)**
- Read the other postings to confirm that your question has not already been answered.
- Always be respectful. Refrain from making offensive statements and derogatory comments. For example, students must never insult another person or TA in any discussion.
- Students who fail to respect these rules will be asked to leave the discussion. It is within our discretion and authority to remove or edit any posting at any time.

Note: The Discussion Board will be closed on the days of the midterm and final exam.

If your question does not get answered or resolved, please e-mail your TA instead.

If you have a very specific issue (e.g. WeBWorK is not accepting your answer), please e-mail your TA and attach a screenshot of your work so that your TA can identify your problem.

Math Help Centre

The Math Department runs a Math Help Centre staffed by graduate students, which provides free online tutoring and personal assistance for students enrolled in MATH 201. Its schedule of operation will be posted by Week 2 in the Department and on the Department webpage: https://www.concordia.ca/artsci/math-stats/services/math-help-centre.html

Student Success Centre

The University runs a Student Success Centre, which provides free tutoring for students enrolled in MATH 201. Visit: https://www.concordia.ca/students/success/learning-support/mathengineering-help/tutoring-appointments.html or https://www.concordia.ca/students/success/learning-support/math-engineering-help.htmlfor more information.

Study Habits

To succeed in an online course, good study habits are essential. A learner who is motivated, self-disciplined, and has good organizational skills will be able to progress normally in the course. Here are some tips to help you succeed.

Set aside some specific days and times to work on the course. On average, a student should spend **six hours per lesson** in MATH 201. This time would be spent watching (and re-watching) the video lectures and examples, working on the self-assessment, and completing the assignment. Note that six hours is an estimate only and should be adjusted based on your ability to learn the material. More time will be needed to study for the midterm and final exam.

Complete your work early in the week so that you have time to e-mail your TA if you have any questions. **Do NOT wait until the last day before a deadline to complete an assessment.** Use the agenda to help you plan ahead.

As you work through each lesson, write down all of the important formulas and procedures that you learn. This will keep you alert while you watch the videos, and it will also make it easier for you to study for the exams.

Technical Matters

For technical questions and inquiries such as login and account issues, or if you are having difficulty accessing the eConcordia site, contact the eConcordia Help Desk electronically at helpdesk@econcordia.com or by telephone at (514) 848-8770 or toll-free at 1-888-361-4949.

The Help Desk is open Monday to Friday from 9am to 5pm ET.

Important Information

Topic	Link
Academic Integrity	Academic Integrity
Educational Technology Guidelines	Educational software or services developed and owned by third parties
Access Centre for Students with Disabilities	ACSD
Concordia Library Citation & Style Guides	Citing - Help & How-to
Course Communication Tools	Communication
eConcordia Policies	Policies
Final Exams Information	Final Exams
Helpdesk/Support	FAQ
Refunds	Refunds
Technical Requirements	Technical Requirements
Tips for Studying Online	Studying Tips

Third Party Software/Website

Here is an excerpt on **Concordia's policy on Educational software or services developed and owned by third parties**, including those linked to textbooks, in-class surveys, lecture capture, virtual classrooms, course assignments and quizzes can be invaluable tools for the development and teaching of courses.

Third-Party software/websites that require personal information (name, email, student number, etc.):

Students are advised that external software and/or websites will be used in the course and students may be asked to submit or consent to the submission of personal information (for example, name and email) to register for an online service. Students are responsible for reading and deciding whether or not to agree to any applicable terms of use. Use of this software and service is voluntary. Students who do not consent to the use the software or service should identify themselves to the course instructor as soon as possible, and in all cases before the DNE deadline, to discuss alternate modes of participation.

Third-party software/websites for work submission:

Students are advised that external software and/or websites will be used in the course and students may be asked to submit or consent to the submission of their work to an online service. Students are responsible for reading and deciding whether or not to agree to any applicable terms of use. Use of this software and service is voluntary. Students who do not consent to the use the software or service should identify themselves to the course instructor as soon as possible to discuss alternate modes of participation that do not require them to give copyright or the right to use their work to a third party.

By using the external software or websites, students agree to provide and share their work and certain personal information (where applicable) with the website/software provider. Students are advised that the University cannot guarantee the protection of intellectual property rights or personal information provided to any website or software company. Intellectual property and personal information held in foreign jurisdictions are subject to the laws of such jurisdictions.

Third-party technology to record a course:

Note that, as a part of this course, some or all of the lectures and/or other activities in this course may be recorded. Recordings will be focused on the instructor and will normally exclude students. It is possible, however, that your participation may be recorded. If you wish to ensure that your image is not recorded, speak to your instructor as soon as possible.

Also, please note that you may not share recordings of your classes and that the instructor will only share class recordings for the purpose of course delivery and development. Any other sharing may be in violation of the law and applicable University policies, and may be subject to penalties.

Tutorial Companies

Please note that private tutorial companies, some of whom aggressively promote their services on and off campus, are not authorized by Concordia University to distribute flyers on University premises and may not use Concordia University facilities to promote or provide their services.

Concordia University and its academic departments do not have any affiliation with these companies even though names such as JMSB, Concordia, or references to specific departments often appear in a visible way. If you are interested in the University's approved tutoring services, consult the services listed in your course outline or other services listed on the University's website.

MATH 201 - Elementary Functions
Agenda
Winter 2021

All deadlines indicated are on the due date listed by 11:59 p.m. unless otherwise indicated.

Week 1: January 11 - January 17	
	Navigate the course website.
	Review the course outline.
	Receive your WeBWorK login credentials.
	Look over the “Algebra Review” file.
January 13	**Classes Begin**
January 13	**Discussion Board opens at 2 PM.**
Week 2: January 18 - January 24	
	Lesson 1: Analytic Geometry
	Be assigned to a Teaching Assistant (TA).
	Assignment #1 due
Week 3: January 25 - January 31	
	Lesson 2: Introduction to Functions
	Assignment #2 due
January 26	**Last day to add winter-term courses.**
January 26	**DNE Date: Deadline for withdrawal with tuition refund from winter-term courses.**
Week 4: February 1 - February 7	
	Lesson 3: Combining Functions

	Assignment #3 due
Week 5: February 8 - February 14	
	Lesson 4: Quadratic and Rational Functions
	Assignment #4 due
Week 6: February 15 - February 21	
	Lesson 5: Exponential Functions and Logarithms I
	Assignment #5 due
Week 7: February 22 - February 28	
	Lesson 6: Exponential Functions and Logarithms II
	Assignment #6 due
Mid-Term Break: March 1 - March 7	
March 01	**Mid-term break begins.**
March 04	**University closed**
March 05	**President's Holiday - University closed.**
March 07	**Mid-term break ends.**
Week 8: March 8 - March 14	
	Lesson 7: Measuring Angles
March 11	**Midterm Exam on Lessons 1-6 (9:00AM to 11:59PM)**
	Assignment #7 due
Week 9: March 15 - March 21	
	Lesson 8: Introduction to Trigonometry
March 19	**Last day to register with the Access Centre for Students with Disabilities and receive exam accommodations for the final examination period.**
Week 10: March 22 - March 28	

	Lesson 9: Trigonometric Functions
Week 11: March 29 - April 4	
	Lesson 10: Trigonometric Equations
March 29	**DISC Date: Last day for academic withdrawal from winter-term courses.**
April 02	**University closed**
April 03	**University closed**
April 04	**University closed**
Week 12: April 5 - April 11	
	Lesson 11: Oblique Triangles
	Assignment #8 due
	Assignment #9 due
April 05	**University closed**
Week 13: April 12 - April 18	
	Review the course.
	Assignment #10 due
April 13	**Last day for instructor-scheduled tests or examinations**
Week 14: April 19 - April 25	
April 20	**Last day of classes**
Examinations Period: April 24 - May 9	
	Assignment #11 due
	Assignment #12 (Course Review) due
	Final Exam date and time is posted on your MyConcordia Portal