

MATH 200

Fundamental Concepts of Algebra

Section EC

Winter 2018

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 the Course

This is a course offered by the Department of Mathematics and Statistics.

This course is intended to give students an introduction to the fundamentals of algebra.

NOTE: Students who have received credit or exemption for a course at the level of MATH 201 or above may not take this course for credit.

NOTE: 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

Instructor: David Pearce

Instructor Contact Information: math200@econcordia.com

This email address allows you to contact the Professor directly with any general inquiries. If you have any questions or concerns about the course, or if there is a delay in hearing back from your TA, please do not hesitate to use this email.

Teaching Assistant (TA) Contact Information: available on your eConcordia home page.

Only email your TA with questions or concerns of a personal nature. **Questions about specific course content should be posted on the Discussion Board.** Allow for a 24 hour response time during the week (Monday-Friday). Teaching Assistants check their messages once over the 48 hour weekend period and are not available on statutory or university holidays.

Discussion Board

Questions about specific course content should be posted in the appropriate lesson folder on the discussion board. The discussion board is meant to be used as a substitute for raising your hand in class and asking for clarification, or guidance on solving a problem. The TA's are responsible for answering your questions; the instructor will monitor and moderate discussions.

Students are welcome and encouraged to answer their classmates' questions as well.

Course Description

This course teaches the fundamental concepts of algebra including: performing arithmetic operations with and the factoring of algebraic expressions, solving linear and quadratic equations, graphing equations in two variables, solving systems of linear equations, simplifying rational expressions, and solving rational equations.

Course Material

The course is made up of 12 lessons, all of which can be found by clicking on the [Course Website](#) link on the eConcordia home page. Lesson 13 contains videos on remedial material, and will not be covered explicitly on the final exam.

There is no Moodle page for this course. The entire course content is made available only on eConcordia.

Each lesson contains lecture videos (one for each topic of the course) that are meant to simulate a class lecture. There are also videos that show you how to solve additional example problems.

At the end of each lesson there is a 10-question self-assessment for you to practice that lesson's content. The selfassessments can be attempted as often as necessary. Detailed solutions are provided for every question.

The lessons conclude with a 10-question quiz which can only be attempted once. The quizzes count towards your final grade. More details are provided below.

Textbook

There is no required textbook for this course. Suggested reading material and additional resources will be posted in the Announcements throughout the term.

Calculator

Only calculators approved by the Department of Mathematics and Statistics (with an "ENCS" sticker attached as a proof of approval), such as the **Sharp EL 531** or the **Casio FX 300MS**, both available at the Concordia Bookstore, are permitted for the final examination.

For a complete list of approved calculator models, the list of non-approved calculator models, and information on how to get an ENCS sticker for your calculator, see:

<http://www.concordia.ca/artsci/math-stats/services.html#calculators>

Course Website

Your eConcordia account will be valid until the end of the term for which you are registered.

Your account will allow you to access the online course material, which includes videos, self-assessments the discussion board, all graded course components, useful links, readings and additional resources from the course website for the duration of the term.

Assessments

Graded Assessments

Quizzes (one for each of the 12 lessons) Can be done at any time, but only attempted once Only the best 10 out of 12 quizzes will count towards your final grade	10%
Midterm (online, covering Lessons 1 - 5) Open only on March 7, 2018 from 12:01 am until 11:59 pm ; can only be attempted once You will have 1 hour and 30 minutes to complete 10 multiple choice questions	20%
Final Exam (on campus; will cover Lessons 1 - 12) Date, time and location will be posted in your MyConcordia portal	70%

Description of Graded Assessments

Quizzes

Each lesson's Quiz will contain 10 questions randomly selected from a question bank with different levels of difficulty (equally chosen from easy, medium, and challenging questions). Only the results of your **best 10 of the 12** quizzes will count toward your final grade. **There will be no accepted reason for missing a Quiz.** For example, if you were sick or if your computer crashed - that will be considered one of the two quizzes that will not be counted toward your final grade. So complete *every* Quiz! A doctor's note will not be considered as a reason for missing a Quiz because the two lowest of them will not be counted anyway.

The quizzes for **lessons 1 through 5** will only be open from the beginning of the term and will **close on March 6, 2018 at 11:59 pm.**

The quizzes for **lessons 6 through 12** will only be open **after the Midterm** and will close after the final day of class, on date **April 16, 2018 at 11:59 pm.**

Midterm

The midterm will be open on **Wednesday March 7, 2018** from **12:01 am until 11:59 pm.** The exam consists of ten (10) multiple choice questions.

Once you begin, you must complete the midterm in **1 hour and 30 minutes.** You cannot log out of the website without completing the midterm. If you do so, you will not be able to reactivate the exam and will receive a grade of zero. Do not refresh your Internet browser or log out of the website at any time during the midterm.

A timer will begin to count down. Once activated, you will have to complete the exam in the allotted time given.

Only a medical note clearly stating the reason for absence may be accepted as an excuse for missing the midterm. In such a case, the final exam will count for 90% of the final grade.

Final Exam

The final exam is written on campus, with pencil or pen, not on-line.

To pass this course, students need to receive at least 50% in the final exam.

The date and time of the final exam is announced by the University on the myConcordia portal, typically by mid-February. Please, note that travel conflicts are never accommodated so it is strongly advised that you wait to make any plans until the time and date are released.

Technical help and support

If you experience any technical issue with the website, e.g. when taking a quiz or the midterm, contact the **eConcordia helpdesk** immediately:

E-mail: helpdesk@econcordia.com

Phone: (514) 848-8770, open Monday to Friday from 9:00 am to 5:00 pm Eastern time.

Grades

In order to view your grades throughout the semester, click on the My Grades link in your eConcordia portal.

It is your responsibility to ensure your work has been received (to be verified as outlined in your assignment instructions) and to contact your TA via e-mail for clarification if you have any questions concerning your grades.

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

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		

Important Information

Topic	Link
Academic Integrity	Academic Integrity
Academic Integrity Quiz	How to take the quiz
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

MATH 200 – Fundamental Concepts of Algebra

Agenda

Winter 2018

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

Week 1 : January 8, 2018 – January 14, 2018	
January 8	Discussion board opens
	Read Course Outline
	Watch Course “Introduction Video”
	Lesson 13: Remedial Lessons (if necessary)
	Lesson 1: Fundamental Operations with Algebraic Expressions
Week 2 : January 15, 2018 – January 21, 2018	
	Lesson 1: Fundamental Operations with Algebraic Expressions (Continued)
Week 3 : January 22, 2018 – January 28, 2018	
January 22	DNE Date: Academic withdrawal deadline (with tuition refund)
January 22	Last day to add winter-term courses.
	Lesson 2: Linear Equations
Week 4 : January 29, 2018 – February 4, 2018	
	Lesson 3: Formulae and Linear Equations in Two Variables
Week 5 : February 5, 2018 – February 11, 2018	
	Lesson 4: Graphing Linear Equations in Two Variables

Week 6 : February 12, 2018 – February 18, 2018	
	Lesson 5: Linear Inequalities
Mid-Term Break : February 19, 2018 - February 25, 2018	
February 19	Mid-term break begins
February 23	President's Holiday - University closed
February 25	Mid-term break ends
Week 7 : February 26, 2018 – March 4, 2018	
	Lesson 6: Systems of Linear Equations
February 28	Adobe Connect Review Session
Week 8 : March 5, 2018 – March 11, 2018	
	Lesson 7: Percentages, Ratios and Other Problems
March 6	Quizzes for lessons 1 through 5 CLOSE at 11:59 pm
March 7	Midterm exam – Open from 12:01 am until 11:59 pm
March 8	Quizzes for lessons 6 through 12 OPEN at 12:01 am
Week 9 : March 12, 2018 – March 18, 2018	
	Lesson 8: Factoring Algebraic Expressions
March 19	DISC Date: Academic withdrawal deadline from fall-term courses.(without tuition refund)
Week 10 : March 19, 2018 – March 25, 2018	
	Lesson 9: Exponents and Radicals

Week 11 : March 26, 2018 – April 1, 2018	
March 30	University closed
	Lesson 10: Quadratic Equations
Week 12 : April 2, 2018 – April 8, 2018	
April 2	University closed
April 2	Course Evaluation released
	Lesson 11: Rational Expressions
Week 13: April 9, 2018 – April 16, 2018	
	Lesson 12: Quadratic Equations
April 16	Last day of classes
April 16	Adobe Connect Review Session
April 16	Deadline to complete Course Evaluation
	REVIEW COURSE MATERIAL
Examinations Period : April 18, 2018 – May 1, 2018	
	Final examination date, time and location will be posted on your MyConcordia portal