Syllabus
Beginning Algebra: Online

Course: MA 090, 4 Credits
Term: Winter 2021
Assistant Professor: Dr. Amy E. Barnsley
E-Mail: abarnsle@nmu.edu. Cell 907 460 4677. Ok to text.
Educat discussion forum: At the top of Educat there is a general discussion forum for any questions. I will answer questions posted there daily (not graded).
Office Hours: Office Hours: Zoom office hours Mon & Thur 11-1 pm. Link in Educat. Text or email me first and then I will meet you on zoom.
Required Supplies: Aleks 360 access code, 6 weeks Higher Education, ebook included

Websites for this class:
Educat: educat.nmu.edu Course documents, gradebook, discussion forum, quizzes
Aleks: www.aleks.com Homework exams, ebook
Instructor website: http://www.amybarnsleymath2.com Math videos

Course Description and Learning Outcomes
MA090 Beginning Algebra: The study of linear expressions and equations, inequalities, polynomials, factoring, and an introduction to quadratic expressions and equations. Emphasis on factoring.

Exam 1
Ch 2 Linear Equations and Inequalities

- Solve linear equations in one variable, including clearing fractions and decimals
- Solve applied problems such as applications of linear equations, geometry, and uniform motion.

Exam 2
Ch 3 Graphing Linear Equations in Two Variable

- Graph and interpret linear equations and inequalities, including the slope, y-intercept, x and y intercepts
- Determine equations of lines given minimal information from one or two points, slope, and/or a parallel or perpendicular line
- Solve applied problems such as applications of linear equations, Pythagorean Theorem, and geometry.

Exam 3
Ch 4 Systems of Linear Equations

- Solve systems of linear equations

- Solve applied problems such as applications of system of linear equations.

Ch 5 Polynomials and Exponents

- Apply exponent rules to algebraic expressions
- Use order of operations to simplify and perform operations on algebraic expressions

Exam 4

Ch 6 Factoring

- Factor the GCF from polynomials
- Factor four-term polynomials by grouping
- Factor quadratic trinomials using the AC-method, including when the lead coefficient is greater than one
- Factor the difference of two squares
- Factor perfect square trinomials
- Factor the sum and difference of cubes
- Solve equations using the zero product property
- Solve applied problems such as applications of quadratic equations

Prerequisites: C- grade or better in **OC080** or satisfactory score on math placement exam.

Technical skills: Students must be able to navigate websites including Educat, Aleks and the instructor's website. They must use and check their @nmu.edu email daily. They must know how to use a scanner to scan a multiple page document into one PDF and post this document into Educat. Camscanner is an app for smartphones.

Technology requirements: Computer with internet access, access to scanner, scientific calculator. Does not have to be a graphing calculator.

G**rades:** Grades are based on the following scale

90-100%	A
80-89%	B
70-79%	C
60-69%	D
0-59%	F

Your grade has the following components:

Reading Quizzes	5%
Aleks Homework	10%
Group Quizzes	10%
Exams	45%
Final Exam	30%
Extra Credit Aleks Pie	5%

Educat reading quizzes: Short quizzes covering the sections in the book. There is one quiz for every lesson. They are due daily. The ebook is available in when students are logged into www.aleks.com

Aleks Homework: Homework is done in Aleks. You have unlimited attempts until the due date and time. The Aleks program will not allow you to work beyond the due date and time.

Group Quizzes: Done paper and pencil in groups of two or three. 50% of your grade is evidence of group work and 50% of your grade earned doing the problems. This will be scanned and uploaded.

Exams: Exams are proctored via zoom but are in Aleks. You are required to scan and upload written work. 80% of your grade is the written work, and 20% of the grade is the grade earned in Aleks. There is a time limit once you start the exam. Exams taken late will lose 20% per day they are late.

Final Exam: By appointment on April 23, time TBD. Online, but proctored by zoom.

For written work you are graded not only on correctness, but also on clarity of work. If I can't read your writing, then a correct answer **will not** get you full credit. You must show all steps. Just giving the answer will not earn full credit. Again, you must show all work. Word problems can often be solve by just "thinking" about it. In this class you must use algebra and show all work to earn credit.

Disability needs: If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Dean of Students Office at 2001 C. B. Hedgcock Building (227-1737 or disserv@nmu.edu). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines. Here is the website for disability services: http://www.nmu.edu/disabilityservices/node/1

Academic Integrity: Students are expected to do their own work and follow the university academic honesty policy. This policy can be found in the student handbook. See link here: http://www.nmu.edu/dso/studenthandbook

Late work: Deadlines are meant to help you finish the class on time. Exams taken late will lose 20% per day they are late. Other late work may be accepted if there are extenuating circumstances. Contact the instructor with questions.

Important dates:

Drop: Last day to drop a class with no course record is January 26, 5 pm. Drop procedure: http://www.nmu.edu/records/adddropprocedure

Withdrawals: Last day for course withdrawal is March 26, 5 pm. I will recommend withdrawal for any student earning below 60%. A W grade and an F grade have the same effect on your full time status. The difference is that an F grade hurts your GPA, but a W grade does not. It always benefits you to get a W, instead of an F. Withdrawal procedure: http://www.nmu.edu/records/node/19

For complete withdrawal deadlines and policies, see www.nmu.edu/registrar/node/19

Extra Resources: Beginning & Intermediate algebra; Miller, J; O'Neill, M; Hyde, N is on reserve in the library. It is at the front counter and is listed under Barnsley. The textbook is 2-hour reserve (students have to use it in the library).

Privacy Statement and Accessibility for www.aleks.com
https://www.aleks.com/privacy_statement.
https://www.aleks.com/highered/math/accessibility

Privacy Statement and Accessibility for www.zoom.us https://zoom.us/privacy, https://zoom.us/accessibility

Technical support with Aleks: https://mhedu.force.com/aleks/s/

There are many resources available to help you succeed in this class and as a student. Here are the links to many campus resources:

Student Handbook: https://www.nmu.edu/dso/studenthandbook

Health Center http://webb.nmu.edu/HealthCenter/

Online Student Services http://www.nmu.edu/online/

Computer Help Desk (IT) http://it.nmu.edu/helpdesk

Disability Services http://www.nmu.edu/disabilityservices/home-page

Veterans Services http://www.nmu.edu/veterans/veteran-student-services

Dean of Students http://www.nmu.edu/dso/home-page

Olson Library http://library.nmu.edu/

Counseling Center http://www.nmu.edu/counselingandconsultation/home-page

Writing Center http://www.nmu.edu/writingcenter/home-page

Financial Aid http://www.nmu.edu/financialaid/home

Everything else offered on this website: http://www.nmu.edu/students