Syllabus
Intermediate Algebra
MA 100, 4 Credits

Time/Location: Section 01: 1:00-1:50 Jamrich 3313
Section 04: 12:00-12:50 Jamrich 3313

Term: Winter 2020
Instructor: Mrs. Jennifer Vollenweider (Mrs. V)
E-Mail: jvollenw@nmu.edu
Phone: (906) 227-2353
Office Hours: M, T, W, R: 9:00-10:00
M, W, R: 11:00-12:00
*Additional times by appointment
Office: Jamrich, Room 2219

Required Supplies: Aleks 360 access code, 18 weeks Higher Education, ebook included
Optional Textbook: Beginning and Intermediate Algebra, 4e, Miller, O'Neill, Hyde

Websites for this class:
Educat: educat.nmu.edu Course documents, gradebook, discussion forums
Aleks: **www.aleks.com** Homework, computation quizzes, practice exams, exams, ebook
Another great resource is Dr. Barnsley's website: http://www.amybarnsleymath2.com

Course Description: The study of rational, radical, and quadratic expressions, equations, and functions, including graphing basic functions, domain and range. Emphasis on quadratic functions and an introduction to exponential and logarithmic functions.

Course Goals and Purpose: This course aims to help students build a secure foundation in algebra skills through meaningful contextual problems and situations and to develop skills that will help students succeed in a college level math class.

Course objectives:
a. Students will simplify and perform operations algebraic expressions.
b. Students will solve algebraic equations.
c. Students will graph algebraic functions and relations.
d. Students will solve applications of algebraic concepts.
e. Students will develop the necessary academic and affective skills needed to gain entry to college level mathematics

Student Learning Outcomes for Intermediate Algebra:
Course Learning Outcomes

1. Perform operations on polynomials, including long division
2. Factor polynomials, including sum and difference of squares
3. Solve equations using the zero product property
4. Solve systems of linear equations, focusing on applications.
5. Evaluate, perform operations and simplify rational expressions.
6. Solve equations with rational expressions
7. Graph and interpret basic functions to include linear, quadratic, cubic, absolute value, square root function, exponential and logarithmic. Include domain and range in interval

notation.

8. Translate basic graphs
9. Perform operations on and compose functions
10. Solve and graph linear absolute value equations
11. Solve inequalities. Include compound, polynomial, rational and absolute value
12. Graph linear inequalities in two dimensions
13. Evaluate, perform operations, and simplify radical expressions
14. Solve equations with radical expressions. Include extraneous solutions.
15. Solve quadratic equations by square root method, completing the square, and quadratic formula. Including complex solutions.
16. Solve basic logarithmic equations
17. Solve applied problems such as those using a system of linear equations, quadratic, rational and radical equations, problems of variation, geometry and basic exponential problems.

Prerequisites: Placement Exam or MA090 (C- or better)

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

Grades: Grades are based on the following scale

93-100%	A	80-83%	B-	67-69%	D+
90-92%	A-	77-79%	C+	64-66%	D
87-89%	B+	74-76%	C	60-63%	D-
84-86%	B	70-73%	C-	0-59%	F

Your grade has the following components:

Participation/Attendance	5%
Aleks Homework	10%
Quizzes	10%
Practice Exams	5%
Exams	40%
Final Exam	30%

Participation/Attendance: Your participation grade is based on your class attendance and your engagement (participation in classroom group work). A cumulative grade will be entered in the gradebook at the end of the semester. Only extenuating circumstances may excuse your attendance—these circumstances would include documented student athlete travels and absences due to a sickness or emergencies which must be accompanied by documentation. Making the choice to schedule a non-emergency appointment (with your advisor, a preventative wellness exam, etc.) is not an excused absence. Being later than 5 minutes past the beginning of class will also count as an absence.

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.

Quizzes: Paper and pencil; completed in class. Your lowest quiz score will be dropped.

Practice Exams: Take in Aleks program. These are longer than the exams (about double the length)

Exams: Paper and pencil exams, not on Aleks.

Final exam: Must be done in person with the instructor or with a pre-arranged proctor. This is not done in the Aleks program. It will be a paper and pencil exam.

Section 01: Monday, April 27 12:00-2:00 Jamrich 3313
Section 04: Wednesday, April 29 12:00-2:00 Jamrich 3313

For written work (Practice exams, exams, and final exams) 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; however, in this class you must use algebra and show all work to earn credit.

Communication with classmates and teacher:

- Always remember to use professional language, spelling, and punctuation within electronic communications. No abbreviations or sarcasm. When communicating electronically, people cannot necessarily interpret sarcasm and may not know abbreviations/acronyms.
- Communication via e-mail must be done through your NMU address. The teacher will not respond to communication sent from any other e-mail addresses. Please remember that you should address me in a professional manner (i.e. Mrs. Vollenweider or Mrs. V) and sign using your full name. Please also include the class time that you are in in the subject line, as I teach multiple sections and it is easier for me to access your information.

General Student Expectations:

- Computers are to remain closed unless instructed to open them by the teacher.
- There are no cell phones allowed in class. They should not be visible (this includes having them face-down on the table—they are still a distraction) and should be silenced (not simply set on vibrate). This is a good rule of thumb preparing you for the professional world. You are in a professional setting and are expected to act as such. If a cell phone is out during class time, you will be given one warning, and after that you will simply be asked to leave class.
- Food is absolutely prohibited at all times. Water is acceptable as long as it is in a container with a lid on it kept on the floor.
- Headphones/earbuds may be allowed on a limited basis. This means that if you have "work time" in class, you may listen to music as you choose as long as no other person in the room can hear the music. They are prohibited during lecture times. You will receive one warning and then be asked to leave class.
- Occasionally class may be dismissed early. However, please remember that leaving early is a privilege and should not be expected on a regular basis. You are expected to come to class on time and remain for the entirety.

TA: Your TA is here to help support you and your learning throughout the semester. Do not hesitate to reach out. TA office hours and locations will be posted and kept updated in Educat.

- Section 01 (1:00-1:50) Your TA is Chloe Holt. E-mail: chholt@nmu.edu
- Section 04 (12:00-12:50) Your TA is Hannah Moberg. E-mail: hmoberg@nmu.edu

Additional Support: Please do not hesitate to reach out to myself or the TA if you are confused or feel yourself falling behind. We want you to learn and be successful in this course. Office hours are available for your benefit. Sometimes 10 minutes of one-on-one time helps you more than 50 minutes in a full classroom.

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.

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

Important dates:

Drop: Last day to drop a class with no course record is Tuesday, January 21, 5 pm. Drop procedure: http://www.nmu.edu/records/adddropprocedure

Withdrawals: Last day for course withdrawal is Friday, March 27, 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: following books are on reserve in the library. They are at the front counter, they are listed under Barnsley, Parks, Bell and Herman. The textbook is 2-hour reserve (students have to use it in the library), but the other books are on 3 day check out.

- Algebra I for Dummies: Step by step lessons and practice for algebra I; Sterling, Mary Jane
- Basic Math and Pre-algebra for Dummies; Zegarelli, Mark
- Algebra II for Dummies; Sterling, Mary Jane
- Beginning & Intermediate algebra; Miller, J; O'Neill, M; Hyde, N

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https://www.aleks.com/highered/math/accessibility
Technical support with Aleks: https://mhedu.force.com/aleks/s/

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

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 Centerhttp://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