

Sections: MA090-03 (81096) 4 credits (12 - 12:50 pm) MTWR Room: Jamrich 3317
 MA090-01 (12096) 4 credits (1 - 1:50 pm) MTWR Room: Jamrich 3317

Instructor: (Ms.) Rosanne Parks

Office: Jamrich Room 2213

Office phone: 227-1479 (No voice mail)

e-mail: rparks@nmu.edu (best way to contact me)

Office Hours:

2 pm – 3 pm MTWR; Other times by appointment

Other office hours: by appointment on zoom
 (contact me via email to set up a time)

Math/CS office: 227-2020

Teaching Assistant: 12 pm class & 1 pm class: Sarah Kendall skendall@nmu.edu

Prerequisite: AT LEAST a C– in OC 080 or a satisfactory score on the Math Placement Exam.

Required Materials:

- (1) **Text:** *Beginning & Intermediate Algebra* (Fourth Edition) by Miller, O’Neill, and Hyde
- (2) **NMU e-mail account** which you must check **DAILY** (*Please check your email several times a day!*)
- (3) **Portfolio:** Loose leaf notebook (**LARGE rings**) for class notes & assignments, tests & quizzes
Refer to the Portfolio Handout.
- (4) Pencil and eraser (a pencil is **REQUIRED** for all tests, quizzes, graded assignments, and submitted homework), graph paper, ruler or straight edge
- (5) Scientific calculator (fraction key useful) that is **without algebraic technology**. **A cell phone calculator is not acceptable.** You do not need a graphing calculator for this course.

Note: Laptops will not be used in this class. (If you need to bring your laptop to class, you will be notified well in advance.)

Additional Expectations:

- arrive for every class with necessary tools: textbook, portfolio (notebook), pencil, and calculator
 - keep cell phones and other electronic devices out of sight (meaning in your back pack) and on silent (Please speak to the instructor if you anticipate receiving an emergency call during class.)
 - be attentive and actively participate in class
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COURSE DESCRIPTION: MA090 includes the study of linear expressions and equations, inequalities, systems of linear equations, polynomials, factoring, and an introduction to quadratic expressions and equations. (Emphasis on factoring.)

Student Learning Outcomes for Beginning Algebra

Chapter 2: Linear Equations and Inequalities

- 1) Solve linear equations in one variable, including clearing fractions and decimals
- 2) Solve and graph linear inequalities in one variable; use interval notation
- 3) Solve applied problems such as applications involving consecutive integers, geometry, percent, mixture, and uniform motion

Chapter 3: Graphing Linear Equations in Two Variables

- 4) Graph and interpret linear equations and linear inequalities, including the slope, y-intercept, and both x- and y-intercepts
- 5) Determine equations of lines given the slope and a point or given two points; Determine equations of lines which are parallel or perpendicular to a given line
- 6) Solve applied problems such as writing a linear model from observed data points

Chapter 4: Systems of Linear Equations

- 7) Solve systems of linear equations
- 8) Use systems of linear equations to solve applied problems involving geometry, cost, investment, mixture, and distance

Chapter 5: Polynomials and Properties of Exponents

- 9) Apply exponent rules to algebraic expressions

10) Use order of operations to simplify and perform operations on algebraic expressions

Chapter 6:

11) Factor the Greatest Common Factor (GCF) from polynomials

12) Factor four-term polynomials by grouping

13) Factor quadratic trinomials using the AC-method, including problems where the lead coefficient is greater than one

14) Factor the difference of two squares

15) Factor perfect square trinomials

16) Factor the sum and difference of cubes

17) Solve equations using the zero product property

18) Solve applied problems using quadratic equations, including applications involving the Pythagorean Theorem

Learning outcomes will be assessed using assignments, quizzes, tests, and the final exam.

ATTENDANCE:

Daily attendance is expected Attendance will be recorded. Absence from class, for whatever reason, does not excuse a student from any class work or assignments missed. The student must assume full responsibility for making arrangements for any assignments missed due to the absence. Cell phone use in class may result in a student being marked absent for the class.

DEVELOPMENTAL MATHEMATICS TUTORING POLICY:

Students are required to meet with the Teaching Assistant (TA) and/or Instructor during their office hours at any time in which the student's grade on a test is below 70%. Meeting with the TA or Instructor is optional, though strongly recommended, for test grades in the 70 – 79% range. Students must continue to meet with the TA until they achieve at least 70% on a subsequent test. All students are required to keep a tutoring log in their portfolio.

ASSIGNMENTS:

In order to be successful in a college course, a common guideline is to spend at least 2 hours outside of class for each hour of class time. **Since this is a 4 credit hour course, I strongly encourage you to spend at least 6 to 8 hours on this course outside of class each week.** For the sake of your success, be sure to read the textbook for comprehension. Math is not learned by memorizing but by practicing. Therefore, homework is one of the most important ways you have to learn.

Reading and problems are assigned each day. Take accurate and complete notes on the material presented in class. Your notes should include the complete solutions to any examples used during lecture/practice. Each homework assignment (and each section within a homework assignment) should start on a clean sheet of paper and start with a **heading** which includes your name, the date assigned, chapter and section number, page numbers and the problem numbers assigned. In doing homework, copy the problem and **SHOW YOUR WORK** for each problem assigned. **Make corrections** as we discuss the problems. **SUGGESTION:** Do not erase your original work. Do your corrections in red ink. At times, you may be asked to submit (for a grade) selected problems from a completed homework assignment. These problems are to be copied from your portfolio without using your textbook. Several assignments (with varying point values) will be collected and graded throughout the semester. Late assignments will not be accepted!

Portfolios will be collected and graded on test days. Each portfolio check is worth 20 points. Homework is to be removed from your portfolio and submitted separately. Each assignment must be labelled with a proper heading and the assignments are to be submitted in chronological order. Refer to the handout concerning portfolio requirements.

Remember: **MATHEMATICS IS LEARNED BY DOING, NOT BY OBSERVING!**

TESTS & QUIZZES:

All quizzes and tests must be written in pencil. Quizzes are worth 10 – 25 pts each. Some may not be announced. No make-up quizzes will be given without **PRIOR ARRANGEMENT**. There will be 4 tests, each worth 100 points. Tests will cover assigned reading, concepts presented in class, notes, and assigned homework. **NO TEST**

SCORES WILL BE DROPPED. You must take tests and quizzes at their scheduled times. No make-up is possible for any test unless you notify me **before** test time. A documented excuse may be requested in order to take a make-up test. Grades on quizzes and tests are not “curved.”

FINAL EXAM: The *comprehensive* final exam will be worth 200 – 250 points

WRITTEN WORK:

For **written work** (quizzes, graded assignments, tests, final exam, homework) you will be graded not only on correctness, but also on clarity of work. If I cannot read your writing, then a correct answer **will not** get you full credit. You must show all steps. Just giving the answer for a problem requiring work will not earn full credit. Again, you must show all work. Word (application) problems can often be solved by just “thinking” about it. However, in this class you must use algebra and show all work to earn credit. **REMINDER:** Tests, quizzes, the final exam, graded assignments, and homework must be done in pencil.

GRADES:

To pass this course you must take all tests. Your course grade will be based on total points earned on your quizzes, tests, assignments, math portfolio, study skills assignments, final exam, and bonus points (extra credit). Grades on tests and quizzes are not “curved.”

The grading scale is: A: 90 - 100%; B: 80 - 89%; C: 70 - 79%; D: 60 - 69%; F: < 60%

(**NOTE:** A grade of **AT LEAST C–** in MA090 is required for registration in MA100.)

EXTRA HELP: My Office: during regular office hours or by appointment on zoom
Office Hours with your Teaching Assistant: on zoom or by special arrangement
Math Study Lab/Tutoring Room: Jamrich 2100
Free extra help is available. Tutors are available Monday – Friday from 9 am – 9 pm

Study groups are recommended. (masks on and socially distanced)

The following websites contain short video lessons: www.amybarnsleymath2.com (MA090 topics)
www.amybarnsleymath.com (MA100 topics)
(Chapters 4 and 6 are covered in both MA090 and MA100)

Remember: Teaching assistants meet with you individually or in small groups, usually on zoom. Just email Sarah ([skendall @nmu.edu](mailto:skendall@nmu.edu)) or talk to her in class. Her job is to help improve student success.

NOTE: The textbook, Beginning & Intermediate algebra; Miller, J; O'Neill, M; Hyde, is on a 2-hour reserve in the library. It is at the front counter is listed under Barnsley and Parks.

DISABILITY SERVICES: 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>

MASK ACCOMMODATION ADA STATEMENT

Certain students may qualify for alternative face-covering accommodations due to a variety of health conditions. These students have gone through a qualifying process with the Office of Disability Services. Faculty have been notified of which students receive these accommodations in their class. If you have concerns regarding this topic please contact the faculty member outside of class. Please do not question or confront fellow students in the classroom who are using alternative or modified face coverings.

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 the link here:
<http://www.num.edu/dso/studenthandbook>

IMPORTANT DATES: (Full Semester Courses)

1) Drop:

Last day to drop a class with no course record (100% refund & no grade) is Tuesday, August 25, 2020 by 5 pm.
Drop Procedure: <http://www.nmu.edu/records/adddropprocedure>

2) Withdrawals:

Last day for course withdrawal is Friday October 23, 2020 by 5 pm. I will recommend withdrawal for any student earning below 60%. A withdrawal (W) grade and a failing (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.

Remember: A grade of **AT LEAST C-** (70%) in MA090 is required for registration in MA100.

Withdrawal procedure: <http://www.nmu.edu/records/node/19>

FINAL EXAM DATES

Wednesday, November 18 through Tuesday, November 24, during 2 face to face class periods. Your exam will either be Wednesday November 18 and Monday November 23 or Thursday November 19 and Tuesday November 24, depending on which group you are in.
