

Nashville State Community College
STEM Division
Mathematics Program

Spring 2024 Master Course Syllabus

MATH 1000 – Foundations of Algebra

The purpose of the syllabus is to tell you how the course is organized, what the expectations are, and how you will be graded. In addition, there is important information about how the college will operate during severe weather and how the college will communicate with you. The syllabus is not a contract. Instead, it is meant to help you succeed in this course. If any of the content changes during the semester, you will be notified.

Course Information:

Course Title: MATH 1000 – Foundations of Algebra

Section:

Credits: 3 credits

Class Hours: 3 class hours

Course Delivery Method:

On-Campus: Course meets at a designated Nashville State Campus on

Virtual: Course meets virtually using the zoom link:

Online: Math 1000 WEB is an online course in which all the content and interactions will be accessed through the [NS Online D2L](#) course.

Course Description: This course is designed to prepare students to have the necessary skills to be successful in algebra intensive college-level mathematics courses. The curriculum provides multiple representations of applications and problem-solving, both algebraically and with the aid of technology. Topics include writing equations of lines; performing operations with polynomials and rational expressions; analysis of quadratic functions and graphs; solving linear, quadratic, and rational equations; graphing and evaluating polynomial functions; solving linear inequalities; and techniques in factoring and solving equations by factoring.

Prerequisite(s): Level 2 placement in Math or concurrent enrollment in MATH 0815. Note: This course will not satisfy general education math requirements for associate degrees or technical certificates. The purpose of this course is preparation for CHEM 1110, or MATH 1130 or 1710 for those students with a math placement level 1 upon admission or for those students who reached math placement level 2 by completing a SAILS program in high school.

Instructor Information:

Name:
Email:
Office Phone:
Office Location:
Office Hours:
Instructor Zoom Room:

Required Materials:

Calculator: A TI-83 or 84 (Plus) is required. Calculators with a Computer Algebra System (CAS), such as the TI-89, will not be allowed on exams. The TI-nspire calculator will only be allowed with the TI-84 Plus keypad. Cell phones may not be used as calculators on exams.

Once enrolled, all students should verify that they have the correct textbook and materials information by consulting the D2L/NS Online shell for the course. If you are registered with the Access Center and require an alternate format for the textbook and other course materials, please contact the Access Center at 615-353-3721, 615-353-3741, or accesscenter@nsc.edu.

Digital Course Materials: These ensure you pay less for your course materials and have easy access through D2L throughout the term. When you registered for this course, the charge for these materials appeared on your account. If you decide you do not want to purchase the course materials embedded in NS Online, you can opt out of the program until the end of the second week of classes. If you opt out, you will be responsible for purchasing the required course materials on your own. For more information, please visit www.nsc.edu/dcm.

Honors Option: Honors credit is available in some classes. If you are interested in participating in the Honors Program, please see your instructor within the first four weeks of class.

Course Outcomes: At the end of the semester, this is what you should know and/or be able to do:

- **Module 1: Linear Functions**
Upon successful completion of this Module, students will be able to:
 - a. Graph linear functions algebraically.
 - b. Graph linear functions with technology.
 - c. Solve and graph linear inequalities.
- **Module 2: Operations with Exponents and Polynomials**
Upon successful completion of this Module, students will be able to:
 - a. Combine terms using the rules of exponents.
 - b. Combine polynomial expressions through addition, subtraction, multiplication and division.
 - c. Evaluate polynomial equations.
- **Module 3: Factoring Polynomial Expressions and Quadratics**
Upon successful completion of this Module, students will be able to:
 - a. Factor polynomials including greatest common factor.

- b. Factor by grouping.
- c. Factor trinomials.
- d. Factor polynomials (including binomials) using formulas.
- **Module 4: Solving Quadratic Equations**
Upon successful completion of this Module, students will be able to:
 - a. Simplify radicals.
 - b. Solve quadratic equations by numerical, graphical, and algebraic approaches including factoring, quadratic formula, and square root property.
 - c. Graph quadratic equations with technology.
- **Module 5: Other Expressions and Equations**
Upon successful completion of this Module, students will be able to:
 - a. Simplify and perform basic operations with rational expressions.

Accessing MyMathLab: In NS Online (D2L) you need to click the Link to MyMathLab up in the navigation bar. You can also access MyMalthLab by clicking on the Content tab in your course. This will display the Table of Contents. Under the Table of Contents choose the 'MyLab Math' to access your assignments. NOTE: the direct link to NSOnline is: <https://elearn.nsc.edu/d2l/home>

Course Assignments: The following assignments will be used to demonstrate students' understanding, knowledge, and skills:

- Homework (10% of grade)
- Quizzes (10%)
- 5 Tests (12% each)
- Required Comprehensive Final Exam (20%)

Homework and quizzes in MyMathLab allow infinite attempts, but tests cannot be taken more than once. Due dates for homework and quizzes are listed in MyMathLab. The final exam score will replace the lowest test score, or one missed test. If the final exam score itself is the lowest test score, it will only be counted once. The final exam cannot replace more than one missed test. A test grade of zero due to academic misconduct cannot be replaced.

For each test, students who score 90% on all corresponding homework assignments will receive a 3% bonus. Students who score 80% on all corresponding quizzes will receive an additional 2% bonus. **No other extra credit is available.**

Grading:

Please note that earning a grade of FA or FN (explained below) may have negative financial aid consequences.

Letter Grade	Percentage Range
A	90-100

Letter Grade	Percentage Range
B	80-89
C	70-79
D	60-69
F	59 and below

- W: The last day to withdraw from the course with a W can be found in the academic calendar. **For Spring 2024 semester, the last day to withdraw with a W is March 22.** FA: According to NSCC policy, an FA is awarded to students who do not officially withdraw from a course and do not attend after the cut-off date provided in the academic calendar. **For Spring 2024, the cut-off date is March 22.** Students who stop attending on or before this date receive an FA; students who stop attending after this date receive an F. For online courses, attendance is defined by submission of assignments. Therefore, students whose last assignment is submitted on or before **March 22** will earn an FA for the course; students whose last assignment is submitted after **March 22** an F for the course.
- FN: This grade is awarded to students who never attend class (or never submit an assignment for an online class).

Late Work Policy & Make-up Procedures for Missed Assignments and Work:

Homework turned in late is subject to a 10% penalty and is only accepted until the due date for the corresponding test. Quizzes and Tests cannot be taken after their due dates.

Attendance Policy

While attendance does not directly affect a student's grade in Math 1000, *there is a strong correlation between attending class regularly and earning a high grade.* Also, please note the following:

- Students are responsible for all work/tests that occur during any missed class session(s) regardless of reason for absence.
- Students who are sick or not well enough to attend class must notify the instructor as soon as possible before the scheduled class time, unless incapacitated or unable to do so. In that case, students must contact the instructor as soon as reasonably possible.
- If a student has an unavoidable conflict with a scheduled class session, students must notify the instructor, preferably before the class session, or as soon as possible.

Technology Statement

- All classes at the College are web enhanced. "Web enhanced" means that components of the course, such as assignments and online discussions, may be located online in the class D2L/NS Online course shell and used in the course, even if the course meets in a classroom on ground.

- You must have access to a computer and an internet connection to complete assignments, engage in online discussions, and access various course materials through D2L/NS Online course shells.
- You may also be required to use free video conferencing platforms (examples: Zoom, Teams, etc.) for course sessions and meetings.
- You will be responsible for appropriate dress while on video. This means that you are expected to dress as if you were in a classroom.
- You will be responsible for a distraction free environment while on video. This means that the professor and others in the course should not be able to hear noise in your home, such as cell phones, TVs, or barking dogs. The best way to do this is to keep yourself on “mute” until you need to speak.
- You will be responsible for making sure your background is neutral. Keep in mind that students and professors come from all around the world, and you are all a part of our community. Therefore, please avoid having images in your background that may be offensive to your classmates.
- Certain publisher materials, such as textbook figures, may not work on cellphones and may require a laptop or a tablet.
- If you have questions or concerns regarding access to a computer or internet resources, please contact your instructor. Additional information is available on this website: <https://www.nsc.edu/current-students/student-online-resources/access-to-internet-and-technology>.

Computer Labs

Computers are available for all Nashville State students to use at each campus during open hours. Open computer lab availability may vary from campus to campus.

You should check the NSCC website for current hours of operation.

D2L/NS Online and myNSCC

It is your responsibility to check your email in **both** D2L/NS Online course shells and your @my.nsc.edu (student email) on a regular basis. These are the official communication channels between the college and you. You are responsible for the information communicated through these email channels. D2L/NS Online emails contain specific course information and @my.nsc.edu emails contain important information from college offices, such as Financial Aid.

ADA Compliance Statement

If you need accommodations due to a disability, please do not hesitate to reach out to our Access Center. Disabilities for which you can receive accommodations include documented physical, emotional, and/or learning conditions. Nashville State is committed to supporting your success, and we encourage you to get assistance if needed. If you require accommodations for any courses in which you are enrolled, contact the Access Center at 615.353.3741 or 615.353.3721, or e-mail accesscenter@nsc.edu.

Classroom Misconduct

Disruptive conduct is not allowed in the classroom. Disruptive conduct is any behavior that prevents students from learning and interferes with the ability of the instructor to teach. This may change from course to course; therefore, your individual instructors will give you guidance on what qualifies as “disruptive conduct” in their courses. Please review the [Nashville State Student Code of Conduct policy](#). Please be aware that children are not allowed in class or to be left unattended on campus.

Academic Misconduct

You have started this academic journey to prepare for a future career. Because of this, it is important that you learn the materials being presented in your courses. For this reason, cheating, in any form, robs you of your opportunity to learn and master the material that will enable you to succeed in that future career. Nashville State has a clear [Academic Misconduct Policy](#) that you are expected to follow. In addition, your instructors will clarify what Academic Misconduct looks like and the consequences for violations in each course that you take. The instructor has the authority to assign an “F” or a “zero” for such violations or for the semester grade.

(Each instructor will outline his/her expectations for academic integrity and provide individualized information about consequences for academic misconduct.)

Academic Early Alert System

If you are not doing well in your course, your instructor may send you an Early Alert through your @my.nsc.edu email. This email will go to your academic advisor and Student Success advisor, as well. If you get an Early Alert, contact your instructor immediately. Instructors send these when they want to help you figure out how to get extra support to pass the course. An Early Alert does not mean that you have already failed the course. Rather, it means you are in danger of failing the course if you do not change your learning strategy. Please use an Early Alert to your advantage and as an opportunity to improve your grade.

RAVE Emergency Alert System

You can log in to this free alert system to receive text messages about emergencies related to NSCC campuses: <https://www.getrave.com/login/nsc>. The instructions for this are listed below.

- Your RAVE Username is your NSCC email address.
- If you've never received an email from RAVE with your password, or if you need to reset your password, select “Forgot your password?” and a new password will be emailed to you.
- Should the RAVE system indicate “user not found”, select Register and create your own RAVE account.

Student Wellness

Your well-being is important to us. With this in mind, the college has several resources available to provide support when needed:

- Free tutoring: <https://www.nsc.edu/current-students/on-campus-resources/learning-center-and-tutoring>
- NSCC email, scheduling, online courses, textbooks, tech check out and support, computer labs on campuses, academic advising, financial advising, COVID-19 information and procedures on campuses: <https://www.nsc.edu/current-students/student-online-resources>
- Services that help with bus passes, food, childcare, textbooks, housing, financial counseling, personal counseling, suicide prevention, health insurance: <https://www.nsc.edu/current-students/on-campus-resources/student-support-services>

Equity Statement

We are taking steps to become more aware of the many different needs of students. Faculty, staff and administrators are committed to helping students find ways to meet their needs so that ALL students can reach their goals. Please ask for things you need.

Inclement Weather & Campus Closings

You get notices about campus closings in these places: text messages from RAVE and www.nsc.edu.

Even when campuses are closed, you are still responsible for completing all assigned work. Check D2L/NS Online for a message from your instructor so you do not miss important assignments and due dates, which may change due to the campus closure.

Class Cancellation Policy

Our instructors post messages about cancelling classes in the D2L/NSOnline course shells and/or on the classroom door on campus. These messages can be found in the News and Content section or the Email tab in the online shell. Please check these to be sure that you take advantage of opportunities for learning and points toward your grade.

