

**Nashville State Community College
School of Science, Technology, Engineering & Mathematics**

Master Course Syllabus

MATH 1010 - Math for General Studies

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 1010 Math for General Studies

Credit Hours: 3 Credits

Prerequisite: Level 2 placement in Math or concurrent enrollment in MATH 0825

Course Description:

An introductory mathematics course for non-science majors emphasizing applications. Topics include problem solving, sets, logic, algebra, probability, statistics, consumer mathematics, and finance.

Instructor Information:

Name:

Email:

Office Phone:

Office Location:

Office Hours:

Instructor Zoom Room link:

Required Textbook(s) & Other Materials:

Once you have registered for your courses, you should make sure you have the correct textbook and materials for each course. Before courses begin, you can do this by looking up your courses on the bookstore's website (<https://www.bkstr.com/nscctestore/shop/textbooks-and-course-materials>) using your A# or by entering your course information. If you are registered with the Access Center and need an alternate format for the textbook and other course materials, please contact the Access Center at 615-353-3721, 615-353-3741, or accesscenter@nscce.edu

(Required) The ebook for the course is included with your MyMathLab access here in NS Online (read more details below). You can simply click the ebook link or the specific chapter you want to access in the MyMathLab module of NS Online and the ebook will open in a new window. There is also an optional print upgrade textbook for students who want a hard copy of the text to supplement the ebook provided. Click on Upgrade to a Print Copy of the Text in the MyMathLab module in NS Online. The text is Thinking Mathematically, 7th edition, by Blitzer, Publisher: Pearson. ISBN 9780134683713.

(Required) MyMathLab Student Access. Everyone has immediate access to MyMathLab (MML) as part of their registration fees for this class; see Digital Course Materials below for more information. NOTE: If you made the decision to opt-out of the DCM fee, your access to the MyMathLab assignments in NSOnline will run out after a couple of weeks. You will be directed to purchase and enter an access code to continue working on the required assignments. If you are automatically provided Digital Course Materials (DCM), you do not need to worry about these MyMathLab items: 18-week ISBN 9780136951940.

(Strongly Recommended) The TI-83 or TI-84 Plus Calculator will be used by the Instructor in class. Laptops, Calculators and even hotspots can be checked out from the NSCC Library for the term. Sign in and complete the required information by clicking the following link., then check your MyNSCC email for pick up information. Student Device Checkout Form . Calculators can also be purchased new or used or rented from the NSCC

bookstore. NOTE: A calculator that can add, subtract, multiply, divide, raise to powers, and take square roots will be sufficient for this class in most cases. Calculators like the TI-89 will not be allowed (those with a Computer Algebra System - CAS). The TI-nspire calculator will only be allowed with the TI-84 Plus keypad (during tests).

Digital Course Materials: These ensure you pay less for your course materials and have easy access through D2L throughout the semester. 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.

Course Outcomes:

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

- Solve problems using mathematics, and determine if solutions are reasonable
- Apply mathematical concepts to solve real-life problems using formulas (deduction) and interpret the meaning of the solution
- Construct meaningful connections (transfer of knowledge) between mathematics and other disciplines
- Apply technology for mathematical reasoning and problem solving
- Analyze data/graphs by using mathematical modeling and/or statistical reasoning
- Represent and translate numbers in different number systems of historical interest, and write in number bases other than base ten.
-

Course Competencies:

1. Solve problems using mathematics, and determine if solutions are reasonable: Analyze and solve counting and probability application problems. Analyze and solve problems utilizing Venn Diagrams. Make use of inductive and deductive reasoning to develop problem solving skills and determine if solutions are reasonable. Differentiate types of sets, perform set operations, and apply set notation.

2. Apply mathematical concepts to solve real-life problems using formulas (deduction) and interpret the meaning of the solution: Create truth tables to determine the truth value of quantified statements, negations, conjunctions, disjunctions, and conditional statements and their combinations, and utilize these to verify the validity of simple three-statement arguments.
3. Construct meaningful connections (transfer of knowledge) between mathematics and other disciplines.
4. Apply technology for mathematical reasoning and problem solving: Apply technology to solve problems involving personal finance such as installment buying, home mortgage and investments.
5. Analyze data/graphs by using mathematical modeling and/or statistical reasoning: Organize data using frequency tables, histograms, and stem-and-leaf plots, find measures of central tendency and dispersion, and use concepts of normal distribution to analyze data.
6. Represent and translate numbers in different number systems of historical interest, and write in number bases other than base ten.

Topics to Be Covered:

- Inductive and Deductive Reasoning
- Estimation & Graphs
- Problem Solving
- Basic Set Concepts
- Venn Diagrams/ Subsets
- Venn Diagrams and Operations
- Set Operations with Three Sets
- Surveys and Cardinal Numbers
- Statement, Negations
- Compound Statements
- Truth Tables
- Equivalent Statements
- Arguments
- Early Positional Systems
- Different Number Bases
- Fundamental Counting Principal

- Permutations
- Combinations
- Events Involving “Not” and “Or”
- Events Involving “And”
- Conditional Probability
- Sampling, Frequency Distributions, and Graphs
- Measures of Central Tendency
- Measures of Dispersion
- Normal Distribution
- Finance

Course Assessments:

We will use the following assessments to demonstrate your understanding, knowledge, and skills:

- 4 Unit/Module Tests: 15% each (60% total)
- MyMathLab Homework & Quizzes: 20%
- Final Exam (comprehensive): 20%

Grading Policy:

The grade for the course will be based on unit tests, homework and quizzes, and a final exam determined by the above distribution.

The final letter grade is based on the following scale.

Grading Scale:

| Letter Grade | Percentage Range |
|--------------|------------------|
| A | 90-100 |
| B | 80-89 |
| C | 70-79 |
| D | 60-69 |
| F | 0-59 |

FA

If you stop attending class or if you are in an online class and stop submitting assignments, but do not turn in a withdrawal form by the

deadline*, you are still enrolled in class. You will be given a grade of FA, which means you have failed due to not attending class and not completing your assignments. *Please refer to the current academic calendar available on the Nashville State web site, looking for the date that indicates it is the “Last Day to Earn F for Attendance (FA).” If you stop attending your course after this date, you will receive an F for the course.

FN

An FN is awarded if you have never attended your course or done any of the work in an online course.

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

There will be no make-up assignments or make-up exams for any reason. No extensions are given or late work accepted past the posted due dates for all assignments. Due dates are posted in this website as well as in Mymathlab.

Attendance Policy:

General Policy

If you have been exposed to COVID-19 or have tested positive, you must email virusinfo@nsc.edu.

- *Absences in a course may affect your final grade.*
- *Tardiness may also affect your final grade.*
- *You are responsible for all work/tests that occur during any missed course session(s) regardless of reason(s) for absence.*
- *If you are not well enough to attend a course session (class), you must notify the instructor as soon as possible before the scheduled course time.*
 - *If you are unable to notify an instructor before the scheduled course time, you must contact the instructor as soon as reasonably possible.*
- *If you have an unavoidable conflict with a scheduled course session, you must notify the instructor before the course session.*

- *If you are unable to notify an instructor before the scheduled course time, you must contact the instructor as soon as reasonably possible.*

For financial aid purposes, **attendance** is measured by participation in the course. Instructors can determine your level of participation in several ways. Some of those ways are:

- continued attendance
- participation in on-ground or virtual class sessions
- participating in D2L as prompted
- responding to an instructor's email
- posting to a discussion board
- completing and submitting assignments

Instructor's Policy

Attendance will be reported for Financial Aid purposes. The student is responsible for all assigned work in the course regardless of excused or unexcused absences. Tardiness may also affect a student's final grade as tardiness disrupts the entire class.

Homework and Quizzes in MyMathlab: Interacting with and exposure to the material is the best way to learn mathematics. There are required assignments that must be completed using MyMathLab. Understand that you cannot put off an assignment until the last minute, as you may experience technical difficulties or run out of time when attempting to do the work. Assignments are given firm deadlines. All homework and quizzes must be completed by the listed due date & time; you have multiple attempts available for each until that due date. It is strongly recommended that you rework any problem you guess on or do not get correct the first attempt to ensure you have mastered the material. The exercises in MyMathLab have tutorial help by choosing "View an Example." In addition, MyMathLab has videos and animation to work with certain problems. **You must register for MyMathLab by the end of the first week of classes. Failure to register MyMathLab will result in you not having access to assignments. It is your responsibility to manage your time carefully.**

Tests: The tests are given in class. Failure to attend for a test date/deadline will result in a zero for the test. There will be no extension for any reason. **If you miss a test, the test will be counted as a zero.**

However, the lowest test score (including a zero for a missed test) will be replaced by the final exam grade provided that the final exam grade is higher than the test grade that it replaces. This will only apply to one test. If you miss more than one test, the second zero will stand. **There will be no make-up exams for any reason.** Please see the Academic Misconduct section below regarding Zero's earned for cheating.

Final Exam: The required final exam is comprehensive and will be given in class at the end of the semester. The same rules for tests apply to the final exam. There will be no extension for any reason.

Technical Difficulties: You may experience technical difficulties related to computer connections or equipment during the term. This cannot be used as an excuse for failure to complete assignments or to participate online. It is your responsibility to locate the computer hardware, software and Internet connections necessary to stay connected and current with your course work online. You should seek alternate Internet connections available through the college's computer labs, the college's library, the public library, and any friends, relatives, or neighbors if your personal computer equipment is not working.

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.

The instructor has primary responsibility for control over class behavior and maintenance of academic integrity. He/she can order temporary removal or exclusion from the class of any student engaged in disruptive conduct or conduct which violates the general rules and regulations of the College. Disruptive behavior in the class may be defined as, but is not limited to, behavior that obstructs or disrupts the learning environment (e.g., offensive language, harassment of students and professors, failure to cooperate in maintaining virtual classroom decorum, etc.) This policy applies to email, discussion board, and chat room, if implemented. The student will not be allowed to return to class until the issue has been resolved with the Dean of Students.

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.

Academic dishonesty may be defined as, but is not limited to, intentionally trying to deceive by claiming credit for the work of another person, using information from a web page or source without citing the reference, fraudulently using someone else's work on an exam, paper, or assignment,

recycling your own work from another course, purchasing papers or material from another source and presenting them as your own, attempting to obtain exams/materials/assignments in advance of the date of administration by the instructor, impersonating someone else in a testing situation, providing confidential test information to someone else, submitting the same assignment in two different classes without requesting both instructor's permission, allowing someone else to copy or use your work, using someone else's work to complete your own, altering documents, transcripts or grades, and forging a faculty/staff member's signature.

In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty the instructor has the authority to assign an F or a Zero for the exercise, paper, or examination or to assign an F for the course. Note: If a student earns a Zero on a Test due to academic misconduct this 0 grade cannot be replaced with the Final Exam score.

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/NS Online 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.