

**Nashville State Community College  
STEM Division  
Mathematics**

**2020 Master Course Syllabus – Ground Sections  
MATH 1010 MATH for General Studies**

*This master course syllabus template is a general guide for providing an overview of each course offered at Nashville State. Each instructor will further clarify specific criteria for grading, classroom procedures, attendance, exams and dates, etc. on their individual course syllabus.*

This syllabus sets forth the expectations for course content, work, and grading as well as expectations for student performance and conduct. The syllabus does not constitute a contract between the student and the instructor or the College. The information contained here is subject to change at any time. Students will be notified if any changes are made. Though changes are possible, it is expected that the course will be conducted as described in this syllabus.

**Course Information:**

**Course Title: MATH 1010 Math for General Studies**

**Credits: 3 Credit Hours**

**Class Hours: 3 Class Hours**

**Prerequisite(s): Level 2 placement in Math or concurrent enrollment in MATH 0825**

**Course Description:**

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

**Instructor Information:**

**Name:**

**Email:**

**Office Phone:**

**Office Location:**

**Office Hours:**

**Required Textbook(s) & Other Materials: (Students must check with the Instructor before purchasing any materials.)**

Students must check with the instructor before purchasing any materials.

- MyMathLab Access Code: ISBN 9780135903575 (Instructor course code and high-speed Internet access required; see further required details in DCM, below)
- Calculator: A calculator that can add, subtract, multiply, divide, raise to powers, and take square roots will be sufficient for this class. The TI-83/84 is recommended and will be used in notes and demonstrations.

**STRONGLY RECOMMENDED:**

- Textbook: *Thinking Mathematically*, Robert Blitzer, 7<sup>th</sup> ed., Publisher: Pearson, ISBN 9780134683713

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](mailto:accesscenter@nsc.edu).

**Digital Course Materials (DCM):**

To ensure the lowest cost for students, this course includes a materials fee. This means that the required textbooks and materials for this course are available through your *NS Online* course shell. When you register for this course, the charge will appear 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 September 6th, 2020. If you opt out, you will be responsible for obtaining the required course materials on your own.

**Course Outcomes and Competencies:**

Upon successful completion of this course, students should be able to:

1. Solve problems using mathematics, and determine if solutions are reasonable.
  - a. 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.
  - a. 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.
  - a. 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.

- a. 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 and compute 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 Principle
- 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:**

The following performance assessments will be used to demonstrate students’ 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.

## Class Policies, Late Work Policy & Make-up Procedures for Missed Assignments and Work:

Homework and Quizzes: Homework and quizzes are required and will count for 20% of your course grade. There will be regular 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. **It is your responsibility to manage your time carefully.**

Assignments are given **firm** deadlines. All work must be completed by the listed due date & time. You should score as high as you can on each homework; for full mastery of course topics, it is strongly recommended that you score a 90% or above on each assignment. To raise your score, simply rework missed problems (you do not need to repeat the whole assignment). It is suggested that you rework any problem you guess on or do not get correct the first attempt to ensure you have mastered the material.

There are also required MyMathLab quizzes corresponding to MyMathLab homework assignments; these are also given firm deadlines as described above. Students will have unlimited attempts for each quiz but unlike the homework, you will not be able to rework individual problems. Instead, you should study in between attempts and when ready, retake the entire quiz to improve the quiz grade. Only the highest of your quiz attempts for each quiz will be used for your cumulative quiz average. It is strongly suggested that you wait to complete a quiz until you have completed the corresponding MyMathLab homework assignment with a score of at least 90%, but the homework is not a prerequisite for the quiz. Students should take each quiz until they are able to score at least an 80% without the use of notes or help. The extra practice will help on the tests and can improve your overall average.

Make up policy: **No make-ups or late work of any kind will be accepted!** Manage your time carefully, use a calendar to record due dates, attend class and work in MyMathLab regularly so that are aware of due dates. There are no exceptions to this policy. You need to prepare for technological difficulties by not leaving your work until the last minute.

Unit/ Module Tests: Tests dates will be announced at the beginning of the semester – see the details in the class website (NS Online), in MyMathLab, and from your Instructor. **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 only applies to one test. If you miss more than one test, the second zero will stand. Tests can only be taken on the scheduled day(s)/time(s). Please see the Academic Misconduct section below regarding Zero's earned for cheating. ***There will be no make-up exams for any reason.***

Extra Credit: There are a total of 5 Bonus Points available for each test. This is the only form of extra credit for this course. The points will be awarded as follows:

- 3 points will be awarded to every student who achieves a score of 90% or higher on all homework assignments for the corresponding test.
- 2 points will be awarded to every student who achieves a score of 80% or higher on all quizzes for the corresponding test.

Final Exam: The final exam is comprehensive. The final exam must be taken on the appointed day. Any deviations from that date must be for exceptionally necessary reasons/situations; check with your Instructor ahead of time. Incompletes would only be considered for extraordinary reasons and proof would be required.

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 the like.

### **Attendance Policy**

The College is not an attendance taking institution as defined by 34 CFR 668.22(b)(1) in the Code of Federal Regulations; however, students are expected to attend all scheduled classes and laboratories.

- Absences in a course may affect a student's final grade.
- Tardiness may also affect a student's final grade.
- Students are responsible for all work/tests that occur during any missed class session(s) regardless of reason(s) 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.

For purposes of financial aid continued attendance is determined via engagement in the course. This can be accomplished in several ways including, but not limited to, continued attendance and/or participation in on-ground class sessions, participating in D2L as prompted (e.g., responding to an instructor's email, posting to a discussion board), and/or completing and submitting assignments.)

To the extent that attendance is kept in this class it is not for the purpose of the College but is instead associated with the instructor's individual grading rubric. For this class, attendance is signaled by logging on to the D2L/NS Online shell, participating as prompted, and completing and submitting assignments by the date listed in the course documents/links. Submitting homework, quizzes or testing on the last possible date indicates that a student is behind schedule and is in jeopardy of not successfully completing the course. Extensions on the submission deadline dates will not be granted for any reason.

### **Grading Scale:**

Letter Grade	Percent Range
A	90 to 100
B	80 to 89
C	70 to 79

Letter Grade	Percent Range
D	60 to 69
F	0 to 59

## 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. 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).” 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. Students who fail a course and whose last assignment is submitted on or before the FA date will earn an FA for the course. Students who fail a course and whose last assignment is submitted after the FA date will earn an F for the course.

## FN

An FN is awarded to students who never attended class.

## Technology Statement

- All classes at the College are web enhanced.
- It will be essential for students to 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.
- Students may also be required to use free video conferencing platforms (ex: Zoom, Teams) for classes and meetings.
- Students will be responsible for appropriate dress while on video, to ensure a distraction free environment (mute sound as needed) and to ensure their background is neutral for others to view.
- If you have questions or concerns regarding access to a computer or internet resources, please contact your instructor. Additional information available: <https://www.nsccl.edu/current-students/student-online-resources/access-to-internet-and-technology>.
- Certain publisher materials may not work on cellphones.

## Computer Labs

Computers are available for student use at each campus during campus open hours. Open computer lab availability for Fall 2020 may vary from campus to campus.

Students should check NSCC website for current hours of operation.

## D2L/NS Online and myNSCC

It is students’ responsibility to check D2L/NS Online course shells for all enrolled courses and myNSCC, including student email, on a regular basis. These are the official communication channels between the college and students, who are responsible for the information communicated through those channels. D2L/NS Online contains specific course information and myNSCC contains information important for other purposes.

## **ADA Compliance Statement**

Nashville State complies with the Americans with Disabilities Act (ADA). 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](mailto:accesscenter@nsc.edu). 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.

## **Classroom Misconduct**

Nashville State Community College has a zero-tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary measures. 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**

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. Students are responsible for understanding and abiding by the [Academic Misconduct Policy](#) in the Nashville State Student Code of Conduct. In addition to other possible disciplinary measures that may be applied 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. Students may appeal through the appropriate college grade appeal procedures. 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 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 materials 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. "Plagiarism may result from: (1) failing to cite quotations and borrowed ideas, (2) failing to enclose borrowed language in quotation marks, and (3) failing to put summaries and paraphrases in your own words" (A Writer's Reference 331).

## **Academic Early Alert System**

Nashville State Community College uses an Early Alert System to let students know of a faculty member's concern in one or more of these academic areas: lack of attendance, lack of classroom participation, late or missing assignments, and/or poor performance on assignments/tests. \*Please note that Early Alerts do not affect a student's academic standing. If you receive an Early Alert email, please see your instructor and your academic advisor as soon as possible.

## **RAVE Emergency Alert System**

Emergency events can happen at any time, and Nashville State Community College wants to notify students if and when they occur. For this reason, all students have been enrolled in the free RAVE alert system. If you have not already done so, please log in at <https://www.getrave.com/login/nsc> to confirm

and update your contact information and notification preferences. It is critical that your information be correct so that you will receive any emergency notifications. 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**

- The general well-being of students is an important component of their academic success. With this in mind, Nashville State Community College has several resources available to provide support when needed:
  - Students with general, non-academic questions and concerns about COVID-19 may email [virusinfo@nsc.edu](mailto:virusinfo@nsc.edu).
  - Five free telephone therapy sessions are available via Agape Counseling by calling 615-781-3000.
  - Online tutoring is available via NetTutor within the D2L course shells.
  - A comprehensive list of online student resources may be found at <https://www.nsc.edu/current-students/student-online-resources>
  - A comprehensive list of student support services may be found at <https://www.nsc.edu/current-students/on-campus-resources/student-support-services>

## **Equity Statement**

Nashville State Community College has a relentless commitment to the transformation of our institution through the intentional design of college experiences that expect and promote excellence from students, faculty, staff and administration. We consider equity to be an obligation of higher education. We strive to ensure that each student receives what that student needs to be successful, with goals of success beyond the classroom. We do this through an evidence-based and collaborative effort, understanding that our student population has diverse needs that must be addressed. We recognize that this effort may not always be comfortable and that partnering with students is the driving force to overcome barriers to success.

## **Inclement Weather & Campus Closings**

Nashville State will use the RAVE alert system to send a text message to students, staff, and faculty about adjusted hours of operation and/or closings at individual campuses. All students should check the Nashville State web site home page at [www.nsc.edu](http://www.nsc.edu) for announcements on campus closures, which may vary from campus to campus. Campus closures will also be announced on local television stations. Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.

Even when campuses are closed, students are still responsible for completing all assigned work. When classes are cancelled, faculty will post online assignments and any additional instructions in the D2L/NS Online course shell. Check D2L/NS Online for a message from your instructor regarding your online assignment requirements. Faculty have discretion over adjusting deadlines or due date for assignments, but students are responsible for completing all assigned work by the due date established by the instructor.

### **Class Cancellation Policy**

If the class is cancelled, the instructor will notify all students by posting in the D2L/NS Online course, e-mailing through D2L/NS Online, and/or by posting a sign on the classroom door. In the event of class cancellation, students must access D2L/NS Online to complete classwork and the assignment that will be posted in the course D2L site.

### **Communication Statement**

In this time of uncertainty due to COVID-19, communication between student and faculty is key. At times, situations arise for one or both that makes that communication difficult or delayed. This can include but is not limited to health issues and/or problems with technology. If you have attempted to contact your instructor, and have waited the turnaround time as outlined in the syllabus but have not yet received a response, please reach out for additional support using this survey:

<https://forms.gle/rM7rxFarksRFeA3b8>