



CRN 40182 MATH 1012/Foundations of Mathematics

COURSE SYLLABUS

ONLINE ASYNCHRONOUS

Spring 2023 Semester (202314)

Course Taught Fully Online Asynchronously (does not require students to be online at specific dates/times). Proctored Event is required.

COURSE INFORMATION

Credit Hours/Minutes: 3/2250

Campus/Class Location: Georgia Virtual Technical

Course Reference Number (CRN): 40182

Preferred Method of Contact: College Email [Don Davis \(ddavis1@southeasterntech.edu\)](mailto:ddavis1@southeasterntech.edu)

Instructor contact information Connection (GVTC)/Blackboard

Class Meets: Via Internet for __16__ weeks

Instructor Name: Mr. Don Davis

Email Address: [Don Davis \(ddavis1@southeasterntech.edu\)](mailto:ddavis1@southeasterntech.edu)

Vidalia/Office Location: Vidalia Main Building Room 409

Office Hours: MTWR 11:30am-12:30 and available on Blackboard Collaborate Online Classroom by Appointment

Phone: 912-538-1957

Fax Number: 912-538-3156

Tutoring Hours: MTWR 11:30am-12:30 Vidalia Main Building Room 319 and available on Blackboard Collaborate Online Classroom by Appointment

SOUTHEASTERN TECHNICAL COLLEGE (STC) CATALOG AND HANDBOOK

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(https://catalog.southeasterntech.edu/\)](https://catalog.southeasterntech.edu/).

NO REQUIRED TEXT

The course uses the text: Bittinger, Marvin L. Basic College Mathematics (12th edition): Boston: Pearson Education, Inc. (The 11th edition of the text may also be used.)

REQUIRED SUPPLIES & SOFTWARE

Software: MathXL is the software required for the course. The **MathXL Access Code** may be purchased from the bookstore or from the [MathXL Website \(www.MathXL.com\)](http://www.MathXL.com) after the course has started. Students will find the **MathXL Course ID** (this is not the access code that you will purchase) on the menu of our Blackboard course. You must first purchase the **MathXL Access Code** to access MathXL and then use the **MathXL Course ID** to enroll in this course.

Supplies: Three Ring Binder notebook, computer access, loose-leaf paper, pencils (all math problem work must be done in pencil), highlighter, and a scientific calculator (TI-30XIIS recommended). You must also have

daily access to a reliable internet connection for use with Blackboard, MathXL, mySTC, and college email. Note: Although students can use their smart phones and tablets to access their online course(s), all exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither STC, Blackboard nor Georgia Virtual Technical Connection (GVTC) provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to complete online course work.

Internet access is required to complete the MathXL work. Students may work on assignments away from the STC campus if they have reliable internet service available. In addition, if using his or her own personal computer each student should perform the software check provided through the MathXL program.

All students have an email address that can be accessed through the [mySTC](#) portal on the STC homepage. Students are encouraged to use this email address when registering for MathXL.

Students should not share login credentials with others and should change passwords periodically to maintain security.

CALCULATOR USAGE

The use of cell phones or other internet capable devices are not allowed for calculator usage. Students are expected to bring a calculator appropriate for the course content each day of class and for use in the online course. If calculator usage is not allowed for some topics, students are required to adhere to those expectations.

COURSE DESCRIPTION

MATH 1012 - Foundations of Mathematics (3 credit hours, 2250 minutes)

This course emphasizes the application of basic mathematical skills used in the solution of occupational and technical problems. Topics include fractions, decimals, per-cents, ratios and proportions, measurement and conversion, geometric concepts, technical applications, and basic statistics.

MAJOR COURSE COMPETENCIES

Topics include fractions, decimals, per-cents, ratios and proportions, measurement and conversion, geometric concepts, technical applications, and basic statistics.

PREREQUISITE(S)

STC Admission.

COURSE OUTLINE

1. Fractions
2. Decimals
3. Ratios and Proportions
4. Per-cents
5. Measurement and Conversion
6. Geometric Concepts
7. Technical Applications
8. Basic Statistics

GENERAL EDUCATION CORE COMPETENCIES

Southeastern Technical College has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

STUDENT REQUIREMENTS

Students are expected to complete all work required by the instructor. Students must register/enroll in MathXL during the first days of class and use the MathXL Software to successfully complete the course. Students will have at least one week to complete tests and assignments. The majority of tests and assignments are due by 11:59 p.m. on Wednesday of each week and are scheduled on the Syllabus Lesson Plan and included as Due Dates in MathXL. **Failure to adhere to due dates will result in a grade of zero.** Exceptions to the due dates of assignments will be made solely at the discretion of the instructor. In general, there is NO make-up of missed Exams (Chapter Tests, Mid-term Exam and Final Exam which is the Proctored Event for this course).

Students are expected to prove weekly academic engagement by meeting assignment deadlines each week and spending a minimum of 37.5 hours during the semester doing the required homework, quizzes, and tests. (Please note: most students spend more hours than the minimum.) Students are expected to communicate frequently through college email, Blackboard Collaborate on line classroom sessions and Discussion Boards. College email and other STC resources can be accessed from the [mySTC](#) tab on STC’s Website. Email can also be accessed in the menu of your Blackboard course.

COVID-19 MASK REQUIREMENT

Regardless of vaccination status, students are highly encouraged to wear masks or face coverings while in a classroom or lab at Southeastern Technical College. Masking may be implemented in some program areas (i.e. Health Sciences and Cosmetology) where students, faculty, and clients are in close proximity and social distancing cannot be maintained. This measure is being implemented to reduce COVID-19 related health risks for everyone engaged in the educational process. Masks or face coverings must be worn over the nose and mouth, in accordance with the Centers for Disease Control and Prevention (CDC).

COVID-19 SIGNS AND SYMPTOMS

We encourage individuals to monitor for the signs and symptoms of COVID-19 prior to coming on campus.

If you have experienced the symptoms listed below or have a body temperature 100.4°F or higher, we encourage you to self-quarantine at home and contact a primary care physician’s office, local urgent care facility, or health department for further direction. Please notify your instructor(s) by email and do not come on campus for any reason.

COVID-19 Key Symptoms
Fever or felt feverish
Chills
Shortness of breath or difficulty breathing (not attributed to any other health condition)
Fatigue
Muscle or body aches
Headache
New loss of taste or smell
Sore throat (not attributed to any other health condition)

COVID-19 Key Symptoms
Congestion or runny nose (not attributed to any other health condition)
Nausea or vomiting
Diarrhea
In the past 14 days, if you:
Have had close contact with or are caring for an individual diagnosed with COVID-19 at home (not in healthcare setting), please do not come on campus and contact your instructor (s).

COVID-19 SELF-REPORTING REQUIREMENT

Students, regardless of vaccination status, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using <https://www.southeasterntech.edu/covid-19/>. Report all positive cases of COVID-19 to your instructor and [Stephannie Waters](mailto:swaters@southeasterntech.edu) Exposure Control Coordinator, swaters@southeasterntech.edu 912-538-3195.

ONLINE ATTENDANCE

It is the student's responsibility to be academically engaged each week doing course related activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an "F" (Failing 0-59) in a course.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Students will have at least one week to complete tests and assignments. The majority of tests and assignments are due at 11:59 pm on Wednesday of each week. Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

STUDENTS WITH DISABILITIES

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Swainsboro Campus: [Daphne Scott \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu), 478-289-2274, Building 1, Room 1210.
Vidalia Campus: [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

SPECIFIC ABSENCES

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

PREGNANCY

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

Swainsboro Campus: [Daphne Scott \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu), 478-289-2274, Building 1, Room 1210.
Vidalia Campus: [Helen Thomas, \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery **MAY NOT** be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

WITHDRAWAL PROCEDURE

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of “W” (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of “F” (Failing 0-59) being assigned.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students’ eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of “W” will count in attempted hour calculations for the purpose of Financial Aid.

PROCTORED EVENT REQUIREMENT

In order to confirm validity of student work in the online portion of the class, students are **required** to complete one proctored event per course. Students are required to bring a photo ID (STC Student ID, Driver’s License, or Passport) to the proctored event. The proctored event will be administered on separate days—once on the Vidalia campus and once on the Swainsboro campus. Students must attend one of the proctored sessions as scheduled on the Lesson Plan/Course Calendar. The event will be monitored by the instructor or by an approved proctor. The proctored event may be a major exam, assignment, or presentation, etc. that will count a minimum of 20% of the course grade. (In this Math course, it is 35%). Students must attend one of the scheduled proctored sessions and will need to make arrangements with work, childcare, etc. The specific dates of the proctored event are scheduled on the Lesson Plan/Calendar for the course.

Students must take the event on one of the originally scheduled days. Students who do not complete the proctored event as scheduled must submit a valid documented excuse within three business days after the scheduled event. If the excuse is approved by the instructor of the course, students must make arrangements with the instructor to makeup/reschedule the missed event. The penalty and makeup instructions will be at the instructor’s discretion. Proctored events will be given after the 65% point of the semester. Students who do not complete the proctored event on the scheduled date and do not present a valid documented excuse within three business days of the scheduled event will be given a zero for the proctored event.

PROCTORING FEES

Students are not charged a proctoring fee when taking a proctored event at Southeastern Technical College or any other TCSG college

The required proctored event for this class is scheduled on the following dates and times:

DATE	TIME	ROOM LOCATION
5/3/23	8:30 am	Vidalia Main Room 319
5/3/23	11:00 am	Vidalia Main Room 319
5/3/23	2:00 pm	Vidalia Main Room 319
5/4/23	8:30 am	Swainsboro Building 6 Room 6218
5/4/23	11:00 am	Swainsboro Building 6 Room 6218

You will be allowed 90 minutes to complete the Proctored Event Exam. You must sign up in advance for one of the dates/times/ locations shown above. You should plan to arrive at least 20 minutes before the scheduled exam session to allow for check in. You will not be allowed to check in if you are late. You must provide a picture identification as proof of identity; the identification must be in the same name as you are shown in the official class roster. You must bring your own calculator. You may not use your cell phone or other electronic device to use as your calculator. The proctor will clear your calculator memory before it is used on the exam. You must bring a pencil to complete the exam work. Scratch paper will be provided. You may not use any notes or reference material on the proctored event exam.

EXIT EXAM

There is no Exit Exam. The course does require completion of a comprehensive Final Examination, which counts as 35% of the course grade and is the Proctored Event for the course

MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC.)

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the sole discretion of the instructor.

ACADEMIC DISHONESTY POLICY

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Handbook.

PROCEDURE FOR ACADEMIC MISCONDUCT

The procedure for dealing with academic misconduct and dishonesty is as follows:

1. First Offense

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

2. Second Offense

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input

the incident into Banner for tracking purposes.

3. Third Offense

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

STATEMENT OF NON-DISCRIMINATION

As set forth in the student catalog, Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer	Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 st Street, Vidalia Office 165 Phone: 912-538-3126 Email: Helen Thomas (hthomas@southeasterntech.edu)	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 st Street, Vidalia Office 138B Phone: 912-538-3230 Email: Lanie Jonas (ljonas@southeasterntech.edu)

ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College's website.

ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT

The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.

GRADING POLICY

Assessment/Assignment	Percentage
Homework	20%
Discussion Boards	5%
Quizzes	5%
Tests / Exams	20%
Mid Term Exam	15%
Final Exam (Cumulative) PROCTORED EVENT see Syllabus	35%

GRADING SCALE

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

The Blackboard Gradebook is the official gradebook for the course.

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COURSE SYLLABUS
ONLINE ASYNCHRONOUS
SPRING 2023 Semester (202314)**

Lesson Plan

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
No Show Days and Beginning of Work Week 1 Due January 11th	No show requirement	Complete Pledge Acknowledgement in Blackboard by January 11th	Pledge Acknowledgement NOTE: MATHXL IS REQUIRED ALL HOMEWORK, QUIZZES and EXAMS/TESTS ARE IN MATHXL unless noted	6, 7 A, B, C
Work Week 2 Due January 18th	1.1-1.4 Whole Numbers	Standard Notation Addition Subtraction Multiplication Division Rounding and estimating; Order Solving Equations Applications and Problem Solving Exponential Notation and Order of Operations	1.1-1.4 Homework Discussion Board 1	6, 7 A, B, C
Work Week 3 Due January 25th	1.5-1.9 Whole Numbers	Standard Notation Addition Subtraction Multiplication Division Rounding and estimating; Order Solving Equations Applications and Problem Solving Exponential Notation and Order of Operations	1.5-1.9 Homework 1.5-1.9 Quiz Chapter (Ch.) 1 Exam	6, 7 A, B, C

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
Work Week 4 In Progress February 1st	2 Fractions	Factorizations Divisibility Fractions and Fraction Notation Multiplication and Applications Simplifying Multiplying, Simplifying, and Applications Division and Applications	Ch. 2 Homework Ch. 2 Quiz Ch. 2 Exam Due February 8th	1, 6, 7 A, B, C
Work Week 5 Due February 8th	2 Fractions	Factorizations Divisibility Fractions and Fraction Notation Multiplication and Applications Simplifying Multiplying, Simplifying, and Applications Division and Applications	Ch. 2 Homework Ch. 2 Quiz Ch. 2 Exam Discussion Board 2	1, 6, 7 A, B, C
Work Week 6 Due February 15th	3 Fraction Notation and Mixed Numerals	Least Common Multiples Addition and Applications Subtraction, Order, and Applications Mixed Numerals Addition and Subtraction Using Mixed Multiplication and Division Using Mixed Order of Operations; Estimation	Ch. 3.1-3.4 Homework Ch. 3.5-3.7 Homework Ch. 3.1-3.4 Quiz Ch. 3.5-3.7 Quiz Ch. 3 Exam	1, 6, 7 A, B, C
Work Week 7 Due February 22nd	4 Decimals	Decimal Notation; Order; Rounding Addition and Subtraction Multiplication Division Converting: Fraction to Decimal Estimating Applications and Problem Solving	Ch. 4 Homework Ch. 4 Quiz Ch. 4 Exam	2, 6, 7 A, B, C
Work Week 8 Due March 1st	5 Ratio and Proportion	Introduction to Ratios Rates and Unit Prices Proportions Application of Proportions Geometric Applications	Ch. 5 Homework Ch. 5 Quiz Ch. 5 Exam Discussion Board 3	4, 6, 7 A, B, C
Work Week 9 Due WEDNESDAY March 8th	Chapter 1-5	Mid Term Exam in MATHXL	Chapter 1-5	1, 2, 4, 6, 7 A, B, C

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
Work Week 10 Due March 15th	6 Percent Notation	Percent Notation Percent and Fraction Notation Solving Percent problems, using percent equations Solving Percent problems, using Prop. Applications of Percent Percent Applications Sales Tax, Commission, Discount	Ch. 6 Homework Ch. 6 Quiz Ch. 6 Exam	3, 4, 6, 7 A, B, C
Work Week 11 Due March 22nd	7 Data, Graphs, and Statistics	Average, Median, and Modes Tables and Pictographs Bar Graphs and Line Graphs	Ch. 7 Homework Ch. 7 Quiz Ch. 7 Exam	6, 7, 8 A, B, C
Work Week 12 In Progress March 29th	8 Measurement	Linear Measures: American Units Linear Measures: Metric Units Converting between American/Metric Weight and Mass: Medical Apps Capacity: Medical Apps Time and Temperature	Ch. 8.1-8.4 Homework Ch. 8.1-8.4 Quiz Due April 12th	5, 6, 7 A, B, C
APRIL 3-6	SPRING BREAK	NO CLASSES		
Work Week 13 Due April 12th	8 Measurement	Linear Measures: American Units Linear Measures: Metric Units Converting between American/Metric Weight and Mass: Medical Apps Capacity: Medical Apps Time and Temperature	Ch. 8.5-8.7 Homework Ch. 8.5-8.7 Quiz Ch. 8 Exam Discussion Board 4	5, 6, 7 A, B, C
Work Week 14 In Progress April 19th	9 Geometry	Perimeter Area Circles Volume Angles and Triangles Square Roots and Pythagorean Theorem	Ch. 9.1-9.3 Homework Ch. 9.1-9.3 Quiz Due April 26th	5, 6, 7 A, B, C
Work Week 15 Due April 26th	9 Geometry	Perimeter Area Circles Volume Angles and Triangles Square Roots and Pythagorean Theorem	Remaining Ch. 9 Homework Ch. 9 Quiz Ch. 9 Exam	5, 6, 7 A, B, C

Date/Week	Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
Work Week 16 Due May 2nd Tuesday	Review	Review	Discussion Board 5 All	All All
May 3rd May 4th Wednesday Thursday	Cumulative All Chapters 1-9	Final Exam PROCTORED EVENT REQUIRED TO PASS COURSE FACE TO FACE IN CLASS on paper NOT IN MATHXL	Due EXAM SESSIONS May 3rd or May 4th	All All

COMPETENCY AREAS:

1. Fractions
2. Decimals
3. Per-cents
4. Ratio and Proportion
5. Measurement and Conversion
6. Formula Manipulation
7. Technical Applications
8. Basic Statistics

GENERAL CORE EDUCATIONAL COMPETENCIES:

1. The ability to utilize standard written English. (A)
2. The ability to solve practical mathematical problems. (B)
3. The ability to read, analyze, and interpret information. (C)

Discussion Board Rubric:

Your grade for each discussion board posting will be either a 100, 50, or 0. The overview of each grade is listed below:

Note: There is no minimum word count criterion for each discussion; however, your discussion board grade for each post is contingent upon your response providing a thoughtful and adequate reply to the given outline.

100 – Your post provides a thoughtful response to each aspect of the outlined discussion.

50- Your post provides thoughtful responses to some but not all aspects of the outlined discussion.

0- You did not respond to the discussion board post.

Discussion Boards are located in Blackboard, not in MathXL.

******Instructor reserves the right to change the syllabus and/or lesson plan as necessary.******