



# MATH 1012 / Foundations of Mathematics

## COURSE SYLLABUS

### Hybrid (10 Weeks)

### Spring Semester 201714

**Semester:** Spring 2017 (201714)  
**Course Title:** Foundations of Mathematics  
**Course Number:** MATH 1012  
**Credit Hours/ Minutes:** 3 / 2250  
**Class Location:** Building 6 / Room 6218  
**Class Meets:** 8:00-9:15, MW, (60%F2F,40%Hybrid)  
**CRN:** 40089

**Instructor:** Mr. Don Davis  
**Office:** 10:45-11:45 MW Swainsboro or appt.  
**Office Location:** Room 6218, Building 6, Swainsboro  
**Email Address:** [ddavis1@southeasterntech.edu](mailto:ddavis1@southeasterntech.edu)  
**Phone:** 912.538.1957  
**Fax Number:** 912.538.3156  
**Tutoring Hours:** Mrs. Wilson 1:30-2:30 T for Swainsboro Students

Students are welcome to stay after class in the lab to continue to work on the hybrid lab assignments. (Co-Req 1111/1012 students are required to attend 0090.)

The preferred method of contact is email: ( [ddavis1@southeasterntech.edu](mailto:ddavis1@southeasterntech.edu)).

This course is taught in a hybrid format. Hybrid classes require students to complete a portion of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student's convenience with respect to the instructor's requirements. If the course is not scheduled in a lab, students are responsible for going to a lab on Day 1 of the semester to register for MathXL using the instructions provided during class and in Blackboard

**REQUIRED TEXT:** Bittinger, Marvin L. Basic College Mathematics (12<sup>th</sup> edition). Boston: Pearson Education, Inc. A MathXL Access Code is required. The textbook from the STC bookstore is packaged with a MathXL Access code which is required to participate and complete all assignments for the course. (The 11<sup>th</sup> edition of the text will still work.)

A MathXL Access Code is required. The MathXL Access Code is packaged with the text from the bookstore, or it can be purchased separately from the bookstore, or it can be purchased online at [www.mathxl.com](http://www.mathxl.com). Directions to register for MathXL, including a MathXL Course ID #, are included in your Blackboard Course under the **Math Work / MathXL Section** on the course menu. Students who have a non-expired MathXL Account, may skip registration, login as usual, and use the new Course ID # to enroll in the new course.

The textbook and MathXL access code may be purchased from the STC bookstore. The textbook may be purchased from the textbook website at [www.pearsonhighered.com](http://www.pearsonhighered.com) or other online locations.

**REQUIRED SUPPLIES & SOFTWARE:** 3-ring binder notebook, loose leaf paper, pencils, black erasable pens (optional per instructor), highlighter, and a Texas Instruments TI-30IIXS scientific calculator or any scientific calculator for limited use in the course. Additional Requirements: Daily, MTWR, access to a reliable internet connection for use with Blackboard, MathXL (if required), mySTC, and college email.

Note: Although students can use their smart phones and tablets to access the online portion of their course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard nor 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 the online portion of the course.

**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. If calculator usage is not allowed for some topics, students are required to adhere to those expectations.

**COURSE DESCRIPTION:** 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, percents, ratio and proportion, measurement and conversion, geometric concepts, technical applications, and basic statistics.

**PREREQUISITE(S):** MATH 0097 - Math II OR Appropriate arithmetic placement test score.

**COURSE OUTLINE:**

- |                         |                               |
|-------------------------|-------------------------------|
| 1. Fractions            | 5. Measurement and Conversion |
| 2. Decimals             | 6. Geometric Concepts         |
| 3. Percents             | 7. Technical Applications     |
| 4. Ratio and Proportion | 8. Basic Statistics           |

**GENERAL EDUCATION CORE COMPETENCIES:** STC 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 (Hybrid):** Students are expected to keep assigned work in a notebook and pass competency tests at scheduled times. Students are also expected to do all homework and assignments as scheduled and are expected to have all supplies and access to software required by the course syllabus. Some courses may be web-enhanced and require the use of Blackboard, textbook websites, or textbook software. Quizzes and homework grades may be given at any time without prior notice, and makeups or late work on these assessments may or may not be accepted upon the discretion of the instructor. Students are expected to show high-quality, detailed work and/or explanations when completing all assignments. 40% of classroom instruction takes place out of class time. Students meet these requirements by completing MathXL homework, quizzes, tests, and by using MathXL homework tutorial features such as the Videos, Study Plan, or View an Example button. In addition, the students complete this requirement by using the additional learning resources provided in our Blackboard course under the Math Resources / Help menu option. (A minimum of 1 hr. 30 min. of out-of-class time per week for 10 weeks is expected not including additional homework and study time.)

**ATTENDANCE GUIDELINES:** Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of F and face financial aid repercussions in upcoming semesters.

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

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. 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 in a course.

**SPECIAL NEEDS:** Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Helen Thomas, 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), to coordinate reasonable accommodations.

**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 advise me and make appropriate arrangements with

Helen Thomas, 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu).

**WITHDRAWAL PROCEDURE:** Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (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" is assigned when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

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 accessed due to the withdrawal. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

**ACADEMIC ENGAGEMENT REWARD (Hybrid Math – Mr. Don Davis):** Students who are academically engaged **each week** will receive a reward to replace a low test grade in the 50% category of the grading policy. Each *work week* will end on a Saturday by midnight and begin Monday. To be eligible for this awesome reward, students must do all three of the following:

- Students must make a 70+ on at least one required **weekly** MathXL homework assignment, quiz, or test by each Saturday midnight even if students have to work ahead of schedule to complete something. Students who are working ahead of schedule still must submit assignments each week. (Note: **All** assignments for each chapter should be completed by the instructor's due date to ensure a student passes the course); **and**,
- Students must spend a total of 15 or more hours on the required/assigned MathXL homework, MathXL quizzes, and MathXL tests this semester (15 hours is not enough time to finish all assignments). MathXL totals these hours for the instructor. This calculation will not include the extra time students may have to spend using extra resources watching videos, working in the study plan, or using the e-text.
- Students must attend 90% of the scheduled F2F class meetings. We meet 20 times. Students must attend 18 full class days to achieve the reward. 3 tardies = an absence. 3 early departures = an absence. Tardiness/departures over 10 minutes will be counted by minutes towards an absence.

Students who meet the academic engagement expectation will be allowed to replace their lowest, 50% category, competency test grade with their final exam grade. The replaced grade will be a competency exam (chapter test grade) and will not include such items as a mid-semester exam, final exam, or a proctored online exam. If the final exam grade is lower than the lowest competency test grade, then the final exam will not be used as a replacement grade and the lowest competency test grade will be left in place. Students who receive their lowest test score due to cheating are not eligible for the attendance reward. **This is a great reward to work for! It can have a very positive effect on most averages. All it takes is a steady weekly commitment to do all assignments.**

**MAKEUP GUIDELINES (Tests, quizzes, homework, projects, etc...):** Failure to take tests on the scheduled day will result in a grade of zero for the test not taken. No Make-up tests will be given, but an attendance reward will be given for applicable competency exams. (See the Attendance Reward for the specifics.) A grade of zero may be assigned for any quiz that is missed or homework that is not turned in as scheduled. Some instructors may allow a "one-class day" late deadline for an assessment scheduled outside of class time that has a due date. In this case, the highest allowed will be a grade of 80.

**ACADEMIC DISHONESTY POLICY:** The STC Academic Dishonesty Policy states *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 *STC Catalog and Student Handbook*.

#### **Procedure for Academic Misconduct**

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

##### **--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.

**--Second Offense--**

Student is given a grade of "WF" 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.

**--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 second 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:** The Technical College System of Georgia and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member or citizenship status (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

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

<b>ADA/Section 504 - Equity- Title IX (Students) - OCR Compliance Officer</b>	<b>Title VI - Title IX (Employees) - EEOC Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Blythe Wilcox, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3147 <a href="mailto:bwilcox@southeasterntech.edu">bwilcox@southeasterntech.edu</a>

**GRIEVANCE PROCEDURES:** Grievance procedures can be found in the Catalog and Handbook located on STC'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 STC website at [www.southeasterntech.edu](http://www.southeasterntech.edu).

**GRADING POLICY:**

15% Homework  
10% Quizzes  
50% Tests  
25% Comprehensive Final

**GRADING SCALE**

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

**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.*

**15% Homework Category (Mr. Don Davis):** This category includes homework problems assigned in MathXL and homework problems assigned outside of MathXL (ones outside of MathXL may be from the textbook or other problems at the instructor's discretion). The homework average will be updated and displayed in Blackboard after major due dates – usually after test dates. (The grade for MathXL homework problems will be weighted 2 times the weight of the grade for problems assigned outside of MathXL since the majority of the homework problems will be those in MathXL). Individual MathXL homework grades will be recorded in MathXL. Individual grades for problems assigned outside of MathXL will be shown on the students work when it is returned. Students not completing and returning the problems assigned outside of

MathXL on schedule will receive a zero, as no make-up is allowed. (Note: The Blackboard Gradebook is a tool that acts as a spreadsheet that averages your grades according to the categories shown.)

**10% Quizzes Addendum:** The quiz average will be updated and displayed in Blackboard after major due dates. Individual quiz grades will be recorded in MathXL. The individual quiz grades will consist of quizzes given in the MathXL program as well as several off-line quizzes that may be required by your instructor. An off-line quiz is a traditional handwritten quiz or a quiz that is done outside of MathXL. The additional off-line quizzes will be recorded in MathXL so they can be included in the overall quiz average that will be transferred to the Blackboard Gradebook.

**50% Test Addendum (Mr. Don Davis):** You will have a combination of traditional in-class tests and online tests. The testing methods will be at the discretion of your instructor. The grade of the tests will be recorded in the Blackboard Gradebook.

**Note about MathXL:** MathXL is a valuable tool that can greatly enhance your learning of the material. In addition, MathXL will increase your ability to work in the online environment which is in high demand in today's workforce. Your grades are weighed heavily by your use of MathXL. Please take your MathXL assignments seriously because they greatly help or hurt your final average. **Make time in the math classroom, in campus labs, or at home to do your MathXL assignments!!!!**

**Note about not giving up:** A few bad grades are never a good reason to give-up. Giving up results in an F whereas trying usually results in an A, B, C, or D --- all of which are better than an F. Most students are able to turn things around after a few bad grades if they just try. **Always take time to discuss things with your instructor.** We have to learn to overcome bad circumstances and not run away from them. It is usually easier to turn things around than you think.

**How many hours per week should I expect this course to take me? (15-week semester)** Students should expect the course to take a minimum of 2 or 2.5 times the contact hours to complete the lecture material, homework, quizzes, tests, and study time. For this class, 2.5 hours per week class contact time per week  $\times$  2.5 = a minimum of 6.25 hours per week. (Experts say that a 3 semester hour class should take around 6-9 additional hours per week for the semester.) Therefore, students should work several days per week to learn and complete the material. **For a 9-week semester**, students should expect the course to take a minimum of 4.167 hours class time per week  $\times$  2.5 = a minimum of 10.4 hours per week. **For a 10-week semester**, students should expect the course to take a minimum of 3.75 hours class time per week  $\times$  2.5 = a minimum of 9.4 hours per week.

**Are you feeling overwhelmed as you read all your course expectations for each class?** That is a natural reaction at the beginning of the semester. Just listen to and communicate with your instructors and classmates. Take time to become organized in each class, and it will all come together soon. Your instructors want you to be successful.



**MATH 1012 LESSON PLAN – Hybrid  
FOUNDATIONS OF MATHEMATICS**

**BASIC COLLEGE MATHEMATICS 11<sup>th</sup> or 12<sup>th</sup> Edition**

Subject to Changes and Updates (The instructor may update some homework problems for 12<sup>th</sup> edition students.)

A MathXL Access Code is required. The code comes with your text purchase or can be purchased separately.

**Minimester Course**

HOURS/MINUTES 37.5hrs=2250min	CHAPTER	OBJECTIVES	ASSIGNMENTS <b>(Specific Due Dates will be tentative due to unexpected daily events. The expected dates are on your course calendar.)</b>	COMP.
<p style="text-align: center;">~1 – 3 Instructional Hours</p> <p>Additional Learning time includes MathXL assignments, studying, and tutorials. This can often take 2.5 times the instructional time. Thus, it could take a student 2.5 X 3 hrs. = 7.5 hrs. to complete and learn the material for chapter 1.</p> <p style="color: red;">Keep a check on your College Email, Blackboard Announcements, and the Blackboard Calendar.</p> <p>Day 1 – Register for MathXL and/or Enroll using the instructor's MathXL handout.</p>	<p>1 - Whole Numbers</p> <p>No calculator on chapters 1 - 4</p>	<ul style="list-style-type: none"> <li>*Standard Notation</li> <li>*Addition</li> <li>*Subtraction</li> <li>*Multiplication</li> <li>*Division</li> <li>*Rounding and Estimating; Order</li> <li>*Solving Equations</li> <li>*Applications and Problem Solving</li> <li>*Exponential Notation and Problem Solving</li> </ul>	<p><b>40% Hybrid Activities:</b> Complete the MathXL <u>weekly</u> assignments for Chapter 1 which includes quizzes, tests, study plan options, lecture videos, and tutorials associated with each homework problem. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum of 90 minutes per week on these items.</p> <p><b>60% Face to Face Activities:</b> Questions, Lecture, Class Quizzes, Class Work, Tests, etc...</p> <p><b>MathXL Homework Chapter 1:</b> Register for Mathxl and complete the Chapter 1 Homework found under the Homework and Tests Button. We will discuss registration for MathXL during day 1 of class.</p> <p><b>Textbook Homework Chapter 1:</b> The instructor will assign specific text homework during class time. The problems will be done on notebook paper. Students are expected to show all work, steps, and explanations with each problem in a manner that is easy to read and understand.</p> <p><b>ADDITIONAL:</b> Your instructor will detail how and when all work is due. <b>Most students must complete 2+ hours per week online in MathXL and Blackboard in order to satisfy the expectations of the course.</b></p>	<p>*6, 7 **a,b,c</p>
<p style="text-align: center;">4-6 (3 Instructional Hours)</p>	<p>2 - Fractions</p>	<ul style="list-style-type: none"> <li>*Factorizations</li> <li>*Divisibility</li> <li>*Fractions and Fraction Notation</li> <li>*Multiplication and Applications</li> <li>*Simplifying</li> <li>*Multiplying, Simplifying, and Applications</li> <li>*Division and Applications</li> </ul>	<p><b>40% Hybrid Activities:</b> Complete the MathXL <u>weekly</u> assignments for Chapter 2 which includes quizzes, tests, study plan options, lecture videos, and tutorials associated with each homework problem. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum of 90 minutes per week on these items.</p> <p><b>60% Face to Face Activities:</b> Questions, Lecture, Class Quizzes, Class Work, Tests, etc...</p> <p><b>MathXL Homework Chapter 2:</b> Complete the Chapter 2 Homework found under the Homework and Tests Button.</p>	<p>*1, 6, 7 **a,b,c</p>

			<p><b>Textbook Homework Chapter 2:</b> The instructor will assign specific text homework during class time. The problems will be done on notebook paper. Students are expected to show all work, steps, and explanations with each problem in a manner that is easy to read and understand.</p> <p><b>ADDITIONAL:</b> Your instructor will detail how and when all work is due. <b>Most students must complete 2+ hours per week online in MathXL and Blackboard in order to satisfy the expectations of the course.</b></p>	
7-9	3- Fraction Notation and Mixed Numerals	<ul style="list-style-type: none"> <li>*Least Common Multiples</li> <li>*Addition and Applications</li> <li>*Subtraction, Order, and Applications</li> <li>*Mixed Numerals</li> <li>*Addition and Subtraction</li> <li>*Using Mixed Multiplication and Division</li> <li>*Using Mixed Order of Operations; Estimation</li> </ul>	<p><b>40% Hybrid Activities:</b> Complete the MathXL <u>weekly</u> assignments for Chapter 3 which includes quizzes, tests, study plan options, lecture videos, and tutorials associated with each homework problem. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum of 90 minutes per week on these items.</p> <p><b>60% Face to Face Activities:</b> Questions, Lecture, Class Quizzes, Class Work, Tests, etc... (Cumulative Test 1-3)</p> <p><b>MathXL Homework Chapter 3:</b> Complete the Chapter 3 Homework found under the Homework and Tests Button.</p> <p><b>Textbook Homework Chapter 3:</b> The instructor will assign specific text homework during class time. The problems will be done on notebook paper. Students are expected to show all work, steps, and explanations with each problem in a manner that is easy to read and understand.</p> <p><b>ADDITIONAL:</b> Your instructor will detail how and when all work is due. <b>Most students must complete 2+ hours per week online in MathXL and Blackboard in order to satisfy the expectations of the course.</b></p>	*1, 6, 7 **a,b,c
10-12	4 - Decimals	<ul style="list-style-type: none"> <li>*Decimal Notation; Order; Rounding</li> <li>*Addition and Subtraction</li> <li>Multiplication</li> <li>*Division</li> <li>*Converting: Fraction to Decimal</li> <li>*Estimating</li> <li>*Applications and Problem Solving</li> </ul>	<p><b>40% Hybrid Activities:</b> Complete the MathXL <u>weekly</u> assignments for Chapter 4 which includes quizzes, tests, study plan options, lecture videos, and tutorials associated with each homework problem. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum of 90 minutes per week on these items.</p> <p><b>60% Face to Face Activities:</b> Questions, Lecture, Class Quizzes, Class Work, Tests, etc...</p> <p><b>MathXL Homework Chapter 4:</b> Complete the Chapter 4 Homework found</p>	*2, 6, 7 **a,b,c

			<p>under the Homework and Tests Button.</p> <p><b>Textbook Homework Chapter 4:</b> The instructor will assign specific text homework during class time. The problems will be done on notebook paper. Students are expected to show all work, steps, and explanations with each problem in a manner that is easy to read and understand.</p> <p><b>ADDITIONAL:</b> Your instructor will detail how and when all work is due. <b>Most students must complete 2+ hours per week online in MathXL and Blackboard in order to satisfy the expectations of the course.</b></p>	
13-17	<p>5 - Ratio and Proportion</p> <p>Start Using a Calculator but show all steps that lead to calculator use to get credit.</p> <p>**A Roman Numerals Quiz will be given</p>	<p>*Introduction to Ratios  *Rates and Unit Prices  *Proportions  *Application of Proportions  *Geometric Applications</p>	<p><b>40% Hybrid Activities:</b> Complete the MathXL <u>weekly</u> assignments for Chapter 5 which includes quizzes, tests, study plan options, lecture videos, and tutorials associated with each homework problem. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum of 90 minutes per week on these items.</p> <p><b>60% Face to Face Activities:</b>  Questions, Lecture, Class Quizzes, Class Work, Tests, etc...</p> <p><b>MathXL Homework Chapter 5:</b>  Complete the Chapter 5 Homework found under the Homework and Tests Button.</p> <p><b>Textbook Homework Chapter 5:</b> The instructor will assign specific text homework during class time. The problems will be done on notebook paper. Students are expected to show all work, steps, and explanations with each problem in a manner that is easy to read and understand.</p> <p><b>ADDITIONAL:</b> Your instructor will detail how and when all work is due. <b>Most students must complete 2+ hours per week online in MathXL and Blackboard in order to satisfy the expectations of the course.</b></p>	*4, 6, 7 **a,b,c
18-21	6 - Percent Notation	<p>*Percent Notation  *Percent and Fraction Notation  *Solving Percents: Percent Equation  *Solving Percents: Percent Proportion  *Percent Applications  *Sales Tax, Commission, Discount</p>	<p><b>40% Hybrid Activities:</b> Complete the MathXL <u>weekly</u> assignments for Chapter 6 which includes quizzes, tests, study plan options, lecture videos, and tutorials associated with each homework problem. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum of 90 minutes per week on these items.</p> <p><b>60% Face to Face Activities:</b>  Questions, Lecture, Class Quizzes, Class Work, Tests, etc...  (Cumulative Test 4-6)</p> <p><b>MathXL Homework Chapter 6:</b></p>	*3, 6, 7 **a,b,c



			<p>Complete the Chapter 6 Homework found under the Homework and Tests Button.</p> <p><b>Textbook Homework Chapter 6:</b> The instructor will assign specific text homework during class time. The problems will be done on notebook paper. Students are expected to show all work, steps, and explanations with each problem in a manner that is easy to read and understand.</p> <p><b>ADDITIONAL:</b> Your instructor will detail how and when all work is due. <b>Most students must complete 2+ hours per week online in MathXL and Blackboard in order to satisfy the expectations of the course.</b></p>	
22-23	7 - Data, Graphs, and Statistics	<ul style="list-style-type: none"> <li>*Average, Median, and Modes</li> <li>*Tables and Pictographs</li> <li>*Bar Graphs and Line Graphs</li> <li>*Circle Graphs</li> </ul>	<p><b>40% Hybrid Activities:</b> Complete the MathXL <u>weekly</u> assignments for Chapter 7 which includes quizzes, tests, study plan options, lecture videos, and tutorials associated with each homework problem. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum of 90 minutes per week on these items.</p> <p><b>60% Face to Face Activities:</b> Questions, Lecture, Class Quizzes, Class Work, Tests, etc...</p> <p><b>MathXL Homework Chapter 7:</b> Complete the Chapter 7 Homework found under the Homework and Tests Button.</p> <p><b>Textbook Homework Chapter 7:</b> The instructor will assign specific text homework during class time. The problems will be done on notebook paper. Students are expected to show all work, steps, and explanations with each problem in a manner that is easy to read and understand.</p> <p><b>ADDITIONAL:</b> Your instructor will detail how and when all work is due. <b>Most students must complete 2+ hours per week online in MathXL and Blackboard in order to satisfy the expectations of the course.</b></p>	*1, 2, 3, 7, 8 **a,b,c
24-29	8 - Measurement	<ul style="list-style-type: none"> <li>*Linear Measures: American Units</li> <li>*Linear Measures: Metric Units</li> <li>*Converting between American/Metric</li> <li>*Weight and Mass: Medical Apps</li> <li>*Capacity: Medical Apps</li> <li>*Time and Temperature</li> <li>*Converting Units of Area</li> <li>**A Three Conversions Methods Quiz will be given.</li> <li>**A Real World Video Assignment Quiz will be</li> </ul>	<p><b>40% Hybrid Activities:</b> Complete the MathXL <u>weekly</u> assignments for Chapter 8 which includes quizzes, tests, study plan options, lecture videos, and tutorials associated with each homework problem. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum of 90 minutes per week on these items.</p> <p><b>60% Face to Face Activities:</b> Questions, Lecture, Class Quizzes, Class Work, Tests, etc...</p> <p><b>MathXL Homework Chapter 8:</b></p>	*4, 5, 7 **a,b,c

		given.	<p>Complete the Chapter 8 Homework found under the Homework and Tests Button.</p> <p><b>Textbook Homework Chapter 8:</b> The instructor will assign specific text homework during class time. The problems will be done on notebook paper. Students are expected to show all work, steps, and explanations with each problem in a manner that is easy to read and understand.</p> <p><b>ADDITIONAL:</b> Your instructor will detail how and when all work is due. <b>Most students must complete 2+ hours per week online in MathXL and Blackboard in order to satisfy the expectations of the course.</b></p>	
30-34	9 - Geometry	<ul style="list-style-type: none"> <li>*Perimeter</li> <li>*Area</li> <li>*Circles</li> <li>*Volume</li> <li>*Angles and Triangles</li> <li>*Square Roots and Pythagorean Theorem</li> </ul>	<p><b>40% Hybrid Activities:</b> Complete the MathXL <u>weekly</u> assignments for Chapter 9 which includes quizzes, tests, study plan options, lecture videos, and tutorials associated with each homework problem. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum of 90 minutes per week on these items.</p> <p><b>60% Face to Face Activities:</b> Questions, Lecture, Class Quizzes, Class Work, Tests, etc... <b>(Cumulative Test 7-9)</b></p> <p><b>MathXL Homework Chapter 9:</b> Complete the Chapter 9 Homework found under the Homework and Tests Button.</p> <p><b>Textbook Homework Chapter 9:</b> The instructor will assign specific text homework during class time. The problems will be done on notebook paper. Students are expected to show all work, steps, and explanations with each problem in a manner that is easy to read and understand.</p> <p><b>ADDITIONAL:</b> Your instructor will detail how and when all work is due. <b>Most students must complete 2+ hours per week online in MathXL and Blackboard in order to satisfy the expectations of the course.</b></p>	*6, 7 **a,b,c
35 – 37.5		Final Exam Review	Competency Exam Given	ALL
Total: 37.5 Instructional Hours		Competency Exam Given		
		Final Exam		ALL

Students who will be graduating this semester should meet with their advisor to ensure all graduation requirements have been met.

*COURSE OUTLINE/COMPETENCIES:		**General Core Educational Competencies
<ul style="list-style-type: none"> <li>1. Fractions</li> <li>2. Decimals</li> <li>3. Percents</li> <li>4. Ratio and Proportion</li> </ul>	<ul style="list-style-type: none"> <li>5. Measurement and Conversion</li> <li>6. Geometric Concepts</li> <li>7. Technical Applications</li> <li>8. Basic Statistics</li> </ul>	<ul style="list-style-type: none"> <li>a) The ability to utilize standard written English. (i.e. Discussion Boards)</li> <li>b) The ability to solve practical mathematical problems. (i.e. Entire Course)</li> <li>c) The ability to read, analyze, and interpret information. (i.e. Entire Course, Applications)</li> </ul>

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**\*\*Disclaimer Statements\*\***

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

**\*\*\* The official copy of the syllabus is located inside the student's online course shell or will be given to them during face to face class time the first day of the semester. The syllabus displayed in advance of the semester in a location other than the course you are enrolled in is for planning purposes only. \*\*\***

**Tutoring: Please see your instructor to arrange tutoring times, to see the day instructor, or see the Vidalia/Swainsboro instructors. In addition, MathXL is a rich tutorial system which includes a Study Plan, videos, and links to resources such as View an Example and Help me Solve This. Keep a well-organized notebook when doing online work in MathXL so you can reference the material later when you need to study.**