



MATH 0090 / Learning Support Mathematics for Modules 1-6 Math and Learning Support Mathematics for Modules 7-15 Algebra COURSE SYLLABUS Spring Semester 2016

Semester: 201614 Spring 2016
Course Title: Learning Support Mathematics
Course Number: MATH 0090
Credit Hours/ Minutes: 3 / 2250
Class Location: Building 6 / Room 6218
Class Meets: 2:30-3:45 MW
CRN: 40014

Instructor: Sonya Wilson
Office: 8:00-11:00, 1:30-2:30 TR
Office Location: Office 6218, Building 6, Swainsboro
Email Address: swilson@southeasterntech.edu
Phone: 478.289.2298
Fax Number: 478.289.2224
Tutoring Hours: 1:30-2:30 T, or by Appointment

(Students are welcome to stay in or come to the lab anytime classes are not in session to continue working on assignments. Co-Req students are required to attend both 1012/1111 and 0090.)

REQUIRED TEXT: No Text Purchase is Required. Students will access the e-textbook which is included with the MathXL software program. Students are required to purchase the MathXL Access Code from the STC Bookstore or from www.mathxl.com. Students will be given the MathXL registration information during class time. Students taking the Algebra version or Math Version of 0090, who prefer to purchase a book as a resource, may obtain the book information from the instructor.

Note: Students taking both MATH 0090 & 1012 or MATH 0090 & 1111 as co-requisite classes will use their 1012 textbook or 1111 textbook. Students are required to attend 1012/1111 AND 0090. 0090 will be a lab course used to assist with 1012/1111 concepts.

REQUIRED SUPPLIES & SOFTWARE:

- *MathXL Access Code* - can be purchased @ the STC bookstore or @ www.mathxl.com. Students who are not registered in MathXL by the end of the No Show time frame will be removed from the course. Students who have a code that expires during MATH 0090 are expected to immediately purchase a new code to regain access to course work.
- Calculator – an online calculator tool is provided within the Mathxl Software. Modules 7-15 students may purchase a TI-83/84 Graphing Calculator in order to prepare early for College Algebra. Modules 1-6 students may purchase a standard scientific calculator. Often a hand held calculator will be more useful than the computer generated one.
- Access to Internet - required if students wish to work on assignments away from the STC campus.
- Earphones/buds - needed to listen to media (videos & animations) available with each module. Earphones with a longer cord will be needed to reach audio. (Note that earphones/buds that work with cell phones typically work with computers. The video lectures are an important element to your learning.)
- Additional Software – students may also need to download one or more free plug-ins such as Adobe Reader®, Adobe Flash Play®, or Adobe Shockwave® Player as required for use of the Mathxl Software Program. This is done by clicking the Browser Check link in Mathxl. Trouble shooting techniques, provided in the same section as the browser check, may be conducted to ensure home computers work properly. Mozilla Firefox is usually the preferred browser and information regarding system requirements are also provided in the browser check section of Mathxl.
- Student Email Address – 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, but students may use any valid email address. Student email addresses are in the following format: 9????????@stc-mail.southeasterntech.edu.
- Note Taking Materials – students are expected to keep an organized notebook of notes, examples, and assignments. These will be used when students study and ask the instructor questions. Students should watch the lecture videos (media) and read the e-text and take notes on this material to properly learn the concepts so the assignments will not take too long to accomplish.
- Course ID # - the Course ID # is provided to students by the instructor on the first day of class. Note: **Co-requisite students will only work in their MATH 1012 or MATH 1111 MathXL courses and will not enroll in the 0090 MathXL.**

They will use this time for extra lab time for 1012 or 1111. Attendance in 0090 and 1012/1111 is an expectation.

- 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.

COURSE DESCRIPTION: This course emphasizes in-depth arithmetic skills (Modules 1-6), basic and intermediate algebra skills (Modules 7-15). Topics include number theory, whole numbers, fractions, decimals, percents, ratio/proportion, measurement, geometry, application problems, introduction to real numbers, algebraic expressions, solving linear equations, graphs of linear equations, polynomial operations, polynomial factoring, inequalities, rational expressions and equations, linear graphs, slope, systems of equations, radical expressions and equations, and quadratic equations, and applications involving previously listed topics. Students will progress at their own pace to master each module. [Co-Requisite students will follow the course description on their MATH 1012 or MATH 1111 syllabus.](#)

MAJOR COURSE COMPETENCIES (MATH 0090 Modules 1-6 Math) and COURSE OUTLINE:

- Module 1 - Whole Numbers
- Module 2 - Fractions
- Module 3 - Decimals
- Module 4 - Percent and Ratio/Proportion
- Module 5 - Measurement
- Module 6 - Geometry

MAJOR COURSE COMPETENCIES (MATH 0090 Modules 7-15 Algebra) and COURSE OUTLINE:

- Module 7 - Introduction to Real Numbers & Algebraic Expressions
- Module 8 - Linear Equations & Inequalities
- Module 9 - Graphs of Linear Equations and Linear Inequalities
- Module 10 – Systems of Linear Equations
- Module 11 –Polynomial Operations
- Module 12 – Factoring Polynomials
- Module 13 – Rational Expressions & Equations
- Module 14 - Radical Expressions & Equations
- Module 15 - Quadratic Equations

MAJOR COURSE COMPETENCIES (CO-REQ STUDENTS): [See your MATH 1012 OR MATH 1111 syllabus.](#)

PREREQUISITE(S): 0090: None

PREREQUISITE(S): Co-Req Students: Banner Documentation/Instructor Documentation/Dean Documentation of eligibility.

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.

CALCULATOR REQUIREMENTS: 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.

STUDENT REQUIREMENTS/STUDENT ROLE: *MATH 0090 Modules 1-6* and *MATH 0090 Modules 7-15* and **Co-Requisite Students** are offered in a personalized learning environment. Computerized based learning is the primary mode of content delivery. [Some of the following items may not apply to Co-Req students.](#) Student requirements are as follows:

1. Students are expected to complete all assignments required in MathXL. Students who are not registered for MathXL by the end of the No Show time frame will be removed from the course.
2. Students are expected to be on task with the assignments while in the MathXL classroom.
3. Students are expected to prepare for tests, homework, and quizzes by utilizing the mathxl resources: Media Videos, E-Textbook, Study Plan, Homework Tutorial Buttons, etc...

4. 0090 Only: Students should plan to work **inside and outside** of the MathXL classroom in order to complete the modular assignments before the end of the semester. The attendance policy will be followed. Students who do not work on the modular assignments out of class time can expect the course to take more than one semester. We advise students to make every effort to finish in one semester by working in and out of class.
5. **Co-Req Students Only:** Students are expected to work on 1012 or 1111 assignments, ask questions, and do extra work to prepare for the next class day in 1012 or 1111. Attendance is expected in both 0090 & 1012/1111.
6. As STC policy states, no cell phones usage will be allowed in the classroom environment.
7. The instructor reserves the right to ask students to exit the classroom when cell phone usage is observed.
8. Proctored/Password Protected tests must be taken on campus *during the scheduled class time* in the MathXL classroom with the instructor present. Proctored Tests are password protected. The password will be entered by the instructor during the first 15 minutes of class time.
9. No notes or other material may be used during the Mathxl proctored tests. Calculators are allowed.
10. Students must complete any MathXL proctored test in one class session without interruption and in the presence of the instructor or assigned designee. A proctored test must be started within the first 15 minutes of a class session and must be completed in one session. Students should expect a minimum of 60 minutes to take a proctored test.
11. Students are not allowed to have any windows open other than the testing window when taking a proctored test in MATH 0090. Students will be asked to place a red cup on the computer screen during the proctored test.
12. In the event the student has to wait on a proctored test until the next class day, the student should continue to work in MathXL by watching the PreTest Media Videos, by reading the E-Textbook, and by completing problems in the Study Plan for the Module the student is preparing for. Students should record notes and examples in their notebook during this time. MathXL will record the student's activity and the time spent on those activities.
13. Should any component of this course need to be altered during the semester, students will receive notification. The format of the Learning Support Program is subject to change between semesters. Students re-entering learning support must adhere to any changes that occur.

INSTRUCTOR ROLE:

Instructors act as facilitators and answer student questions. They guide each student's progress through the course and conduct mini lectures or individual instruction when needed on difficult topics. They do not lecture.

BREAK IN ENROLLMENT: Students with a break in enrollment, excluding Summer Semester, will be required to begin at the first module upon return to MATH 0090. The PreTesting options should allow those students to quickly move through repeated material.

STUDENT EXPECTATIONS IN THE EVENT OF THE INSTRUCTOR'S ABSENCE: In the event of an instructor's absence, a substitute will cover the class if at all possible. If a substitute is not available, students are expected to go directly to one of the open computer labs on campus to work on MathXL assignments for the entire class session. Students waiting on a proctored test will need to continue studying for the test by taking notes, watching videos in MathXL, reading the E-Textbook, and working in the MathXL Study Plan. Students in this case may also start preparing for the next module by using the Study Plan, Media Videos, and E-Textbook for the next module. The times and dates of student work is recorded in Mathxl for the instructor.

STC ATTENDANCE POLICY: It is essential that educational programs maintain requirements and standards necessary for successful employment of its graduates in business and industry. In view of the intensive nature of the educational programs, it is necessary for every student to be present and on time every day for all classes.

Attendance is counted from the first scheduled class meeting of each semester. To receive credit for a course a student must attend at least 90% of the scheduled instructional time. All work missed due to tardiness or absences must be made up at the convenience of the instructor. Any student attending less than the required scheduled instructional time as noted on each syllabus will receive a "W" for the course if removed from the course on or before the 65% portion of the semester (see STC's calendar on our website for the actual date of the 65% point). After the 65% portion of the semester, the student has earned the right to a letter grade and will receive a grade for the course. Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time. Three (3) tardies or early departures equal one (1) absence for the course involved.

LEARNING SUPPORT ATTENDANCE: This class meets 2 days a week for 15 weeks which is equivalent to 30 class meetings. **The maximum number of days a student may miss for this class is equivalent to 3 class days during the semester including tardiness and early departure infractions. (Minutes are counted as absence time for tardies or early departures which are excessive in time-frame.)** (Any tardy or early departure that is over 1/3 of the class time will be counted as 1/2, 3/4, or a full absence upon the discretion of the instructor.)

Note to Co-Requisite Students: Co-Req students who are withdrawn from MATH 1012 or MATH 1111 may remain in 0090. Co-Req students who are withdrawn from MATH 0090 will also be withdrawn from MATH 1012 or MATH 1111.

MATH LEARNING SUPPORT ATTENDANCE ADDENDUM: MATH 0090 is designed for accelerated learning which allows students to complete much of the instructional hours on their own out of class time. Thus, students who successfully complete the required modules before the end of the semester will be allowed to exit the course at that point.

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.

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 Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.

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 the Special Needs Office. Swainsboro Campus: Jan Brantley, Room 1208, (478) 289-2274 -- Vidalia Campus: Helen Thomas, Room 108, (912) 538-3126.

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

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

Note to Co-Requisite Students: Co-Req students who are withdrawn from MATH 1012 or MATH 1111 may remain in 0090. Co-Req students who are withdrawn from MATH 0090 will also be withdrawn from MATH 1012 or MATH 1111.

MAKEUP GUIDELINES: MATH 0090 is a personalized learning environment; therefore, no makeup guidelines are applicable for this course. Students are expected to complete all components of each assignment.

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: Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era 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).

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.

GRADING SCALE

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

GRADING POLICY (0090 Students as follows):

Mathxl Tests 100%

*The PreTest will count in this calculation if the score is 80% or higher. The PostTest will count in this calculation if 80% on the PreTest is not achieved. Cumulative PostTests will also count in the calculation.

To successfully exit MATH 0090 for Modules 1-6, students must complete Modules 1 – 6 with an 80% or better on each PreTest or 70% or better on each PostTest. An 80% or better on a PreTest permits a student to skip all module assignments and move on to the next module or Cumulative PostTest. Students making less than 80% on a PreTest must complete all module assignments with a minimum grade of **90%** on each homework, 70% on each quiz, and 70% on each PostTest.

To successfully exit MATH 0090 for Modules 7-15, students must complete Modules 7-15 with an 80% or better on each PreTest or 70% or better on each PostTest. An 80% or better on a PreTest permits a student to skip all module assignments and move on to the next module or Cumulative PostTest. Students making less than 80% on a PreTest must complete all module assignments with a minimum grade of **90%** on each homework, 70% on each quiz, and 70% on each PostTest.

To receive partial credit for the *MATH 0090 Modules 1-6 Course*, students must successfully complete a minimum of Modules 1 – 3 including the Cumulative PostTest for Modules 1-3 with a 70% and must register for MATH 0090 the following semester or may register for the co-req option the following semester. Students who do not meet the partial requirements will receive an F in the course and may register for MATH 0090 the following semester or may register for the co-req option of MATH 0090 & MATH 1012.

To receive partial credit for the *MATH 0090 Modules 7 - 15*, students must successfully complete a minimum of Modules 7-10 including the Cumulative PostTest for Modules 7-10 with a 70% and must register for MATH 0090 the following semester. Students who do not meet the partial requirements will receive an F in the course and must register for the course the following semester.

*Students who have completed **Module 12** and who are still attending & working on Modules 13, 14 & 15 until the end of the semester may pay for an exit COMPASS before the last day of the semester with permission from the instructor. The exit COMPASS will be given by the instructor or designee and will be scheduled on the last day of the semester or during*

the Final Exam Days. Students who score 37 on the Algebra Compass will be allowed to exit the course without completing all of Modules 13-15. Students who do not score 37 or higher must register for MATH 0090 the following semester or may choose to enroll in the Co-Requisite Option the next semester by registering for MATH 0090 & 1111 with permission from the instructor. The COMPASS exam must be taken during the time scheduled by the instructor.

Co-Requisite Option Eligibility: (Math) All diploma level math students are eligible to take the CoReq 1012 and 0090. (Algebra) Algebra students who successfully complete Module 12 and who continue to work on modules until the end of the semester are eligible for the MATH 0090/1111 co-req option by enrolling in both classes the next semester.

According to the withdrawal policy, students who abandon the course will receive a 0 for all remaining tests which may result in an "F" being assigned as the grade.

For the students who meet the co-req criteria, the instructor will fill out a permission form that must be taken to your advisor or the registrar the last day of the semester in order to update your schedule. This is a choice and not a mandate. If schedule conflicts exist, students may have to choose to take MATH 0090 only forgoing the co-requisite option. Then, 1012 or 1111 will still have to be taken at a later time.

Students taking MATH 0090 ONLY, and who successfully complete Module 1-3 Cumulative Exam and who continue to work on modules until the end of the semester will receive an A*,B*,C* partial grade and are eligible for the MATH 0090/1012 co-req option by enrolling in both classes the next semester. Math students who do not reach the minimum point by the end of the semester will receive an F in MATH 0090, but are still eligible for the MATH0090/MATH 1012 co-req option. See instructor for more details.

GRADING POLICY (CO-REQ STUDENTS): See MATH 1012 or MATH 1111 Course Syllabus.

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.

CAN STUDENTS PREPARE FOR THE PRETEST IF THEY DO NOT HAVE A MATHXL ACCESS CODE ON DAY 1?:

Yes. Students may be no-showed temporarily and must register for Mathxl by the next class day or risk losing their seat to a wait listed student. Students in MATH 0090 Modules 1-6 may prepare for Module 1 by going to the free text website www.interactmath.com, by looking up *Basic College Mathematics*, by Bittinger, 11th edition (green book), and working on Chapter 1 Whole Numbers. Students in MATH 0090 Modules 7-15 may prepare for Module 7 by going to the free text website www.interactmath.com, by looking up *Introductory Algebra*, by Blitzer, 6th edition (orange book) and working on Chapter 1 Introduction to Algebra and Algebraic Expressions.

Lesson Plan for Co-Req Students: See MATH 1012 or MATH 1111 Syllabus.

Lesson Plan for MATH 0090 Students: See Following.

MATH 0090 Modules 1-6 Math
LESSON PLAN / PACING GUIDE (15 WEEK COURSE)

Personalized Learning Environment

Students will work through the modules at their own pace, but at a pace that will allow students to meet the partial requirements or complete the course. Please see the pacing guide provided. Ultimate responsibility for timely completion of required modules falls on the student and will be dependent on the amount of time and effort spent on tasks inside and outside of the classroom environment.

| Weekly Guidance – Suggested Pacing Guide | Content – Suggested Pace | Assignments | Competency Area General Core Educational Competencies |
|--|---|--|--|
| Day 1 of Semester – Week 1 | Introduction to MATH 0090 Class/Lab Rules & Regulations Discuss syllabus Register for Mathxl Mathxl Orientation Module 1 – Whole Numbers | Register For Mathxl Do Sample Homework & Quiz Start Preparing for Module 1 PreTest To Finish On-Time: Students must complete additional assignments out of class time as “homework” time. A minimum of 2-hours out of class time may be needed per week. Students may work on any material that is not password protected. When waiting on a password, students should be using the Study Plan, the Media Videos, and the E-Textbook to study for the test or prepare for the next module. | 1 *a, b, c |
| Day 2 of semester | Module 1 – Whole Numbers The instructor will work with students who registered late. | Take the Module 1 PreTest if you have prepared in advance or Prepare for Module 1 PreTest. Work on your Personalized Learning Path. To Finish On-Time: Students must complete additional assignments out of class time as “homework” time. A minimum of 2-hours out of class time may be needed per week. Students may work on any material that is not password protected. When waiting on a password, students should be using the Study Plan, the Media Videos, and the E-Textbook to study for the test or prepare for the next module. | 1 *a, b, c |
| Week 2 | Module 1 – Whole Numbers | Work on your Personalized Learning Path. | 1 *a, b, c |
| Week 3 | Module 2A – Fractions | Work on your Personalized | 1 |

| | | | |
|---|--|--|-----------------|
| | Part 1 | Learning Path. | *a, b, c |
| Week 4 | Module 2B – Fractions Part 2 | Work on your Personalized Learning Path. | 2 *a, b, c |
| Week 5 | Module 3 - Decimals Partial Requirements met after Module 3. | Work on your Personalized Learning Path. | 3 *a, b, c |
| Students who successfully complete the Module 3 PreTest (80%) or the Module 3 PostTest (70%), must also score a 70% or higher on the Cumulative PostTest for Modules 1-3 during class time before starting Module 4A. | | | |
| Week 6 | Module 4A – Ratios & Proportions | Work on your Personalized Learning Path. | 4 *a, b, c |
| Week 7 | Module 4B - Percents | Work on your Personalized Learning Path. | 4 *a, b, c |
| Week 8 | Module 5A – Measurement (Data, Graphs, and Statistics) | Work on your Personalized Learning Path. | 5 *a, b, c |
| Week 9 | Module 5B – Measurement (Conversions) | Work on your Personalized Learning Path. For Modules 5B and 6, use the Conversion Sheet Provided by the Instructor on all Assignments. | 5 *a, b, c |
| Week 10 | Module 6 - Geometry | Work on your Personalized Learning Path. | 6 *a, b, c |
| Week 11 | Module 6 - Geometry | Work on your Personalized Learning Path. | 6 *a, b, c |
| Weeks 12-15 | Students who have not completed Modules 1-6 may continue at their own pace | Work on your Personalized Learning Path. | 1-6 *a, b, c |
| Students who successfully complete the Module 6 PreTest (80%) or the Module 6 PostTest (70%), must also score a 70% or higher on the Cumulative PostTest for Modules 4-6 during class time before completing the course. | | | |
| Option 1: Students who have successfully completed MATH 0090 will be allowed to take the exemption exam once for MATH 1012 in the effort to exempt MATH 1012. If a passing score is not achieved, no | | | |

harm is done. The student will take MATH 1012 the next semester.

Option 2: Students who have not successfully completed the Cumulative PostTest for Modules 4-6 (70%) may register for MATH 0090 Modules 1-6 the next semester or may register for the co-req option. **Students choosing to take MATH 0090 only will be allowed to start at the beginning of the Module where they left off on Day 1 of next semester. Students with a break in enrollment, excluding Summer Semester, will be required to begin at the first module (1)**

Option 3: Students who have successfully completed Module 1-3 Cumulative Exam by the last day of the semester are eligible to enroll in the co-req option the next semester taking both MATH 0090 & MATH 1012. MATH 0090 will be a lab component allowing students to work on MATH 1012 with a math teacher present.

Option 4: Students who do not successfully complete the Cumulative Posttest for Modules 1-3 will receive an F in the course and may register for MATH 0090 the following semester or may register for the co-req option of MATH 0090 & MATH 1012. MATH 0090 will be a lab component allowing students to work on MATH 1012 with a math teacher present.

MAJOR COURSE COMPETENCIES (MATH 0090 Modules 1-6) and COURSE OUTLINE:

- 1) Module 1 - Whole Numbers
- 2) Module 2 - Fractions
- 3) Module 3 - Decimals
- 4) Module 4 - Percent and Ratio/Proportion
- 5) Module 5 - Measurement
- 6) Module 6 - Geometry

****General Core Educational Competencies**

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.

MATH 0090 Modules 7-15 Algebra
LESSON PLAN / PACING GUIDE (15 WEEK COURSE)

Personalized Learning Environment

Students will work through the modules at their own pace, but at a pace that will allow completion of the partial requirements or the entire course. Please see the pacing guide provided. Ultimate responsibility for timely completion of required modules falls on the student and will be dependent on the amount of time and effort spent on tasks inside and outside of the classroom environment.

| Weekly Guidance – Suggested Pacing Guide | Content – Suggested Pace | Assignments | Competency Area General Core Educational Competencies |
|--|---|--|---|
| Day 1 of Semester – Week 1 | Introduction to MATH 0090 Class/Lab Rules & Regulations Discuss syllabus Register for Mathxl Mathxl Orientation Module 7 – Introduction to Real Numbers and Algebraic Expressions | Register for Mathxl Do Sample Homework & Sample Quiz Start Preparing for Module 7 PreTest. Make every effort to take the PreTest on Day 2. To Finish On-Time: Students must complete additional assignments out of class time as “homework” time. A minimum of 2-hours out of class time may be needed per week. Students may work on any material that is not password protected. When waiting on a password, students should be using the Study Plan, the Media Videos, and the E-Textbook to study for the test or prepare for the next module. | 7 *a, b, c |
| Day 2 of semester – Week 1 | Module 7 – Introduction to Real Numbers and Algebraic Expressions The instructor will work with students who registered late. <i>(Module 7 has a pretest for Modules 7A-7D and a second pretest for Modules 7E-7H in the effort to increase early completion of the module. Both pretests are password protected and must be taken during class.)</i> | Take the Module 7A-7D PreTest if you have prepared in advance or Prepare for Module 7A-7D and 7E-7H PreTest during class. Work on your Personalized Learning Path during class and out of class. To Finish On-Time: Students must complete additional assignments out of class time as “homework” time. A minimum of 2-hours out of class time may be needed per week. Students may work on any material that is not password protected. When waiting on a password, students should be using the Study Plan, the Media | 7 *a, b, c |

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|---|---|--|----------------|
| | | Videos, and the E-Textbook to study for the test or prepare for the next module. | |
| Week 2 | Module 7 – Introduction to Real Numbers and Algebraic Expressions The instructor will work with students who registered late. | Work on your Personalized Learning Path. To Finish On-Time: Students must complete additional assignments out of class time as “homework” time. A minimum of 2-hours out of class time may be needed per week. Students may work on any material that is not password protected. When waiting on a password, students should be using the Study Plan, the Media Videos, and the E-Textbook to study for the test or prepare for the next module. | 7 *a, b, c |
| Week 3 | Module 8 – Linear Equations and Inequalities For Module 8, use the Formula Sheet Provided by the Instructor on all Assignments. | Work on your Personalized Learning Path. | 8 *a, b, c |
| Week 4 | Module 9 – Graphs of Linear Equations and Linear Inequalities (Module 9 has a practice graphing homework you can do before the PreTest to give you the opportunity to learn how to use the graphing tool first. Extra practice in the study plan is also encouraged.) | Work on your Personalized Learning Path. | 9 *a, b, c |
| Week 5 | Module 10 – Systems of Linear Equations | Work on your Personalized Learning Path. | 10 *a, b, c |
| Students who successfully complete the Module 10 PreTest (80%) or the Module 10 PostTest (70%), must also score a 70% or higher on the Cumulative PostTest for Modules 7-10 during class time before starting Module 11. | | | |
| Weeks 6-7 | Module 11 – Polynomial Operations | Work on your Personalized Learning Path. | 11 *a, b, c |
| Weeks 8-9 | Module 12 – Factoring Polynomials | Work on your Personalized Learning Path. | 12 *a, b, c |
| Weeks 10-11 | Module 13 – Rational Expressions and Equations | Work on your Personalized Learning Path. | 13 *a, b, c |

| Students must score a 70% or higher on the Cumulative PostTest for Modules 11-13 before starting Module 14. | | | |
|---|---|--|----------------|
| Weeks 12-13 | Module 14 – Radical Expressions and Equations | Work on your Personalized Learning Path. | 14 *a, b, c |
| Weeks 14-15 | Module 15 – Quadratic Equations Last week of semester. Students in MATH 0099 for Modules 7-15 should make every effort to complete Module 15. | Work on your Personalized Learning Path. | 15 *a, b, c |
| Option 1: Students who have successfully completed all requirements for Modules 7-15 by the last day of the semester will exit Learning Support Algebra. The student is eligible to take MATH 1111 the next semester. | | | |
| Option 2: Students who have not successfully completed Module 15 by the last day of the semester must register for MATH 0090 Modules 7-15 next semester. These students will be allowed to start at the beginning of the Module where they left off on Day 1 of the next semester. Students with a break in enrollment, excluding Summer Semester, will be required to begin at the first module (7). | | | |
| Option 3: Students who have successfully completed Module 12 and who are still attending & working on Modules 13, 14 & 15 until the end of the semester may pay for an exit COMPASS before the last day of the semester with permission from the instructor. The exit COMPASS will be given by the instructor or designee and will be scheduled on the last day of the semester or during the Final Exam Days. Students who score 37 on the Algebra Compass will be allowed to exit the course without completing all of Modules 13-15. Students who do not score 37 or higher must register for MATH 0090 the following semester. The COMPASS exam must be taken during the time scheduled by the instructor. Students with a break in enrollment, excluding Summer Semester, will be required to begin at the first module (7). | | | |
| Option 4: Students who have successfully completed Module 12 by the last day of the semester are eligible to enroll in the co-req option the next semester taking both MATH 0090 & MATH 1111. MATH 0090 will be a lab component allowing students to work on MATH 1111 with a math teacher present. | | | |
| Option 5: Students who do not complete the Cumulative Posttest for Modules 7-10 will earn an F for the semester. The student must take MATH 0090 the next semester. | | | |

MAJOR COURSE COMPETENCIES (MATH 0090 Modules 7-15) and COURSE OUTLINE:

- 7) Module 7 - Introduction to Real Numbers & Algebraic Expressions
- 8) Module 8 - Linear Equations & Inequalities
- 9) Module 9 - Graphs of Linear Equations and Linear Inequalities
- 10) Module 10 – Systems of Linear Equations
- 11) Module 11 – Polynomial Operations
- 12) Module 12 – Factoring Polynomials
- 13) Module 13 – Rational Expressions & Equations
- 14) Module 14 - Radical Expressions & Equations
- 15) Module 15 - Quadratic Equations

****General Core Educational Competencies**

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.

****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 OPTIONS – You Have So Many Options!!

1. Mathxl Provides a Study Plan Button which will allow you to work examples from each section of your book. It will provide hints and explanations. Many of my students have used this and have bragged about it. You must register for mathxl using your mathxl access code and the instructor's course id code before you can use this option. If your instructor does not use Mathxl, you can just use the free text website www.interactmath.com which looks the same as mathxl.
2. Your textbook provides a tutorial website for your specific book at www.interactmath.com. The problems will look almost exactly like the Mathxl Study Plan problems. If your instructor requires mathxl, you should use the Study Plan instead.
3. STC provides tutoring. The tutors are usually campus instructors who have designated specific times they are available for tutoring. Math tutoring is available on the Swainsboro and Vidalia Campus. See Ms. Sonya Wilson for the Swainsboro Campus. See Dr. Bee Hart and Mr. Jimmy Dupree for the Vidalia Campus.
4. You may know a math tutor. As long as you are just getting help with homework and a basic learning of the material, it is fine to use your own tutor. It is not appropriate to use a tutor on things like quizzes and tests. Your complete honesty is expected. Academic Dishonesty is a serious offense. You do not want to be associated with cheating in any way. Your career could be at stake if you give in to the temptation.
5. We often have volunteer tutors within our classes. This option varies on the availability of the volunteer tutors.
6. Use the resources available on the Southeastern Technical College website, www.southeasterntech.edu, or just click the Tutorials Tab in Blackboard. In addition, use any resources that come with your textbook. You can also go to the library tab on our website to find more resources.
7. Khan Academy Videos provide lectures with an instructor who teaches many of the concepts we are learning. This is a great resource! Using these resources will help you become an "active learner" rather than a "passive learner" because you are taking charge of your learning by using additional resources. (Note: You may need to use the web browser Mozilla Firefox instead of Internet Explorer when trying to access the Khan Academy Videos.). The web address to access the Khan Academy Math Videos is www.khanacademy.org.
8. Swainsboro Students can see Ms. Jan Brantley inquire about tutorial services. Vidalia students can contact the Student Success Center on the Vidalia campus.
9. Another way to gain access to tutorial help is to form a study group with some of your classmates. The college can assist by reserving a study room for your group. Please see Ms. Jan Brantley in Swainsboro if you would like to reserve a room for your study group, or see someone in the Student Success Center in Vidalia.