



## **Math 0090 Learning Support Math**

### **COURSE SYLLABUS**

#### **Hybrid**

**Summer Semester 2018 - 201816**

#### **COURSE INFORMATION**

**Credit Hours/Minutes:** 3/2250

**Campus/Class Location:** Swainsboro Campus / Building 6, Room 6218

**Class Meets:** 10:00 – 11:45 p.m., Tuesday (80% Face to Face / 20% Hybrid)

**Course Reference Number (CRN):** 60059

**Preferred Method of Contact:** College Email

#### **INSTRUCTOR CONTACT INFORMATION**

**Instructor Name:** Sonya F. Wilson

**Email Address:** [Sonya Wilson \(swilson@southeasterntech.edu\)](mailto:swilson@southeasterntech.edu)

**Campus/Office Location:** Swainsboro Campus/ Building 6, Room 6218

**Office Hours:** Monday/Wednesday 1:00-5:00, Tuesday/Thursday 2:30-4:30

**Phone:** 478.289.2298

**Fax Number:** 478.289.2276

**Tutoring Hours:** 1:00-2:00 Tuesday or by Appointment

**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.**

#### **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 \(http://www.southeasterntech.edu/student-affairs/catalog-handbook.php\)](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

#### **REQUIRED TEXT**

This class includes both students enrolled as Technical Certificate of Credit (TCC) with no General Education requirements and students taking either Math 1012 or Math 1111 as Co-requisite classes.

The syllabus describes requirements for all students and those that are specific based on the enrollment type. No Text Purchase is required for Technical Certificate of Credit (TCC) with no General Education requirements students taking only Math 0090 Modules 1-6. These 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 directly from MathXL. The Instructor will provide MathXL registration information during the first class. Students, who prefer to purchase a book as a resource, may obtain the book information from the instructor.

Students taking both MATH 0090 and Math 1012 or MATH 0090 and Math 1111 as co-requisite classes will use their Math 1012 textbook or Math 1111 textbook. Students are required to attend Math 1012 or Math 1111 AND Math 0090. Math 0090 will be a lab course used to assist with Math 1012 or Math 1111 concepts. (No text may be required in Math 1111 or Math 1012. See the specific syllabus for those courses.)

In rare cases, and by approval only, a student may take MATH 0090 Modules 7-15. These 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 directly from MathXL. The Instructor will provide MathXL registration information during the first class. Students, who prefer to purchase a book as a resource, may obtain the book information from the instructor.

### **REQUIRED SUPPLIES & SOFTWARE**

The required MathXL Access Code can be purchased at the STC bookstore or directly from MathXL. Students not registered in MathXL by the end of the No Show period will be removed from the course. Students who have a code that expires during the current term of MATH 0090 must immediately purchase a new code to regain access to course work.

A calculator is required. An online calculator tool is provided within the MathXL Software. Students taking only Math 0090 (Modules 1-6) may purchase a standard scientific calculator. Often a hand held calculator will be more useful than the computer generated one.

Students taking Math 1012 and Math 0090 should see the Math 1012 Syllabus for the type of calculator suggested. Students taking Math 1111 and Math 0090 should see the Math 1111 Syllabus for the type of calculator suggested.

Access to the Internet is required if students wish to work on assignments away from the STC campus. 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. The college email address needs to be typed in the format [9XXXXXXXX@students.southeasterntech.edu](mailto:9XXXXXXXX@students.southeasterntech.edu) when using it as a part of the MathXL software.

The instructor provides the MathXL Course ID to students 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 Math 0090 MathXL course. They will use this time to work on their Math1012 or Math1111 MathXL assignments.

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

### **COURSE DESCRIPTION**

Technical Certificate of Credit (TCC) with no General Education requirements students in this course use the modular approach to emphasize in-depth arithmetic skills, basic and intermediate algebra skills. 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 (also enrolled in Math1012 or Math1111) will follow the course description on their MATH 1012 or MATH 1111 syllabus.

### **MAJOR COURSE COMPETENCIES AND OUTLINE**

- **For Technical Certificate of Credit (TCC) with no General Education requirements students:**
  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
  
- **For Math 1012 or Math 1111 Co-requisite students:**

Co-requisite students will find these in the respective Math 1012 or Math 1111 course syllabus.
  
- **For Math 0090 Modules 7-15 (By Permission Only – Not the Recommended Path):**
  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

### **PREREQUISITE(S)**

- **For Technical Certificate of Credit (TCC) with no General Education requirements students:**

None
  
- **For Math 1012 or Math 1111 Co-requisite students:**

Co-Requisite Option Eligibility: (Math) Diploma level math students are eligible to take Math 1012 and Math 0090 on a co-requisite basis. Degree level students are eligible to take Math 1111 and Math 0090 on a co-requisite basis. Banner Documentation/Instructor Documentation/Dean Documentation of eligibility.
  
- **For Math 0090 Modules 7-15 (By Permission Only):**

Banner Documentation/Instructor Documentation/Dean Documentation of eligibility.

### **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**

MATH 0090 Modules 1-6 students, MATH 0090 Module 7-15 students, and Co-Requisite Students are provided a personalized learning environment. Computer based learning is the primary mode of content delivery. Some of the following items may not apply to Co-Requisite students. Student requirements are as follows:

1. Complete all assignments required in MathXL. Students who are not registered for MathXL by the end of the No Show period will be removed from the course.
2. Work on task with the MathXL assignments while in the classroom.
3. Prepare for tests, homework, and quizzes by utilizing the MathXL resources: Media Videos, E-Textbook, Study Plan, and Homework Tutorial Buttons.
4. Work inside and outside of the MathXL classroom in order to complete assignments before the end of the semester.
5. Co-Requisite Students work on Math 1012 or Math 1111 assignments, ask questions, and do extra work to prepare for the next class day in Math 1012 or Math 1111
6. 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.
7. No notes or other material may be used during the MathXL proctored tests. Calculators are allowed.
8. 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.
9. 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.
10. 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.
11. Complete and sign the Co-Requisite acknowledgement attached to this Syllabus. Return this to your Instructor promptly.

## **ATTENDANCE POLICY (LEARNING SUPPORT)**

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.

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 (90%) may be dropped from the course as stated below in the Withdrawal Procedure.

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.

This class meets **1 day a week for 9 weeks** which is equivalent to 9 class meetings. **The maximum number of days a student may miss for this class is equivalent to 1 class day during the semester including tardiness and early departure infractions.**

**Note: 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 ½, ¾, or a full absence upon 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 [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, 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 \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 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" (Withdrawn) 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 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.

## **EXIT EXAM**

(THIS IS FOR TECHNICAL CERTIFICATE OF CREDIT (TCC) WITH NO GENERAL EDUCATION REQUIREMENTS STUDENTS TAKING ONLY MATH 0090 MODULES 1-6

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.

1. 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 may take MATH 1012 the next semester.
2. 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-requisite 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 Module 1
3. Option 3: Students who have successfully completed Module 1-3 Cumulative Exam by the last day of the semester are eligible to enroll in Math 0090 the next Semester to complete Modules 4-6 or enroll in the co-requisite option the next semester taking both Math 0090 and Math 1012. (MATH 0090 will be a lab component allowing students to work on MATH 1012 with a math teacher present.) 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 the next semester, students with a break in enrollment, excluding Summer Semester, will be required to begin at Module 1
4. 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-requisite 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.

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

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 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

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>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:ljonas@southeasterntech.edu">Lanie Jonas</a> <a href="mailto:ljonas@southeasterntech.edu">ljonas@southeasterntech.edu</a>

## 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 \(STC\) 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 MODULES 1-6 STUDENTS**

THIS IS FOR TECHNICAL CERTIFICATE OF CREDIT (TCC) WITH NO GENERAL EDUCATION REQUIREMENTS  
STUDENTS TAKING ONLY MATH 0090 MODULES 1-6

MathXL Tests 100% these are proctored tests and are taken in class.

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 Post Tests will also count in the calculation. A grade of 70% or higher is required on Post Tests.

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 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-requisite 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-requisite option of MATH 0090 & MATH 1012.

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 and Math 1012 co-requisite option by enrolling in both classes the next semester or may register the next Semester to complete modules 4-6. 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 and MATH 1012 co-requisite option. See instructor for more details.

## **GRADING POLICY CO-REQUISITE STUDENTS**

These students will receive the grade they earn in Math 1012 or Math 1111 in Math 0090. See MATH 1012 or MATH 1111 Course Syllabus. As noted in the withdrawal policy section, co-requisite students who are withdrawn from Math 0090 are also withdrawn from Math 1012 or Math 1111.



## GRADING POLICY MATH 0090 MODULES 7-15 STUDENTS (BY PERMISSION ONLY):

MathXL Tests 100% these are proctored tests and are taken in class.

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 Post Tests will also count in the calculation. A grade of 70% or higher is required on Post Tests.

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 7 - 15, students must successfully complete a minimum of Modules 7-9 including the Cumulative Posttest for Modules 7-9 with a 70% and must register for learning support the following semester. An A\*, B\*, C\* partial grade will be assigned, but the student does not exit learning support. Students who do not meet the partial requirements will receive an F\* in the course and must register for learning support the following semester.

Students who have completed Module 12 and who are still attending & working on the remaining modules until the end of the semester may pay for an exit ACCUPLACER before the last day of the semester with permission from the instructor. The exit ACCUPLACER 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. Eligible students will not be penalized for the score as successful completion of Module 12 places a student in the MATH 0090 with MATH 1111 co-requisite option. Eligible students who achieve the college algebra score will exit learning support and may take MATH 1111 the next semester. The ACCUPLACER exam must be taken during the time scheduled by the instructor.

## GRADING SCALE

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

**20% Hybrid Instructional Activities for the following Lesson Plan:** Students can meet this requirement by completing the MathXL weekly assignments for each chapter which includes homework and quizzes. Homework has built in tutorial features. MathXL records the grades, time spent and the dates completed. Students are required to spend a minimum 50 min. per week on these items to meet the 20% criteria. This hybrid time does not include the time it takes to complete all homework requirements and study time. See the section on the syllabus that details the time it may take you to complete requirements out-of-class time.

# Math 0090 Learning Support Math Modules 1-6

## Summer Semester 2018 Lesson Plan (Hybrid)

Suggested Weekly Pacing Guide	Module	Assignments	Hybrid Expectations	Competency Area
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. At least 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.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	1 a, b, c
Week 2	Module 1 – Whole Numbers  Module 2A – Fractions Part 1	Work on your Personalized Learning Path.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	1 a, b, c

Suggested Weekly Pacing Guide	Module	Assignments	Hybrid Expectations	Competency Area
Week 3	Module 2B – Fractions Part 2	Work on your Personalized Learning Path.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	2 a, b, c
Week 4	Module 3 - Decimals Partial Requirements met after Module 3.	Work on your Personalized Learning Path. Cumulative Post-Test for Modules 1-3	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	1,2,3 a, b, c
Week 5	Module 4A – Ratios & Proportions	Work on your Personalized Learning Path.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	4 a, b, c

Suggested Weekly Pacing Guide	Module	Assignments	Hybrid Expectations	Competency Area
Week 6	Module 4B - Percents	Work on your Personalized Learning Path.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	4 a, b, c
Week 7	Module 5A – Measurement (Data, Graphs, and Statistics)	Work on your Personalized Learning Path.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	5 a, b, c
Week 8	Module 5B – Measurement (Conversions)	<p>Work on your Personalized Learning Path.</p> <p>For Modules 5B and 6, use the Conversion Sheet Provided by the Instructor on all Assignments.</p>	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	5 a, b, c

<b>Suggested Weekly Pacing Guide</b>	<b>Module</b>	<b>Assignments</b>	<b>Hybrid Expectations</b>	<b>Competency Area</b>
Week 9	Module 6 - Geometry	Work on your Personalized Learning Path. Cumulative Posttest for Modules 4-6	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	6 a, b, c

### **MAJOR COURSE COMPETENCIES**

Only Technical Certificate of Credit (TCC) with no General Education requirements students:

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.

### **LESSON PLAN FOR CO-REQUISITE STUDENTS:**

See MATH 1012 or MATH 1111 Syllabus.

### **DISCLAIMER STATEMENTS**

- The instructor reserves the right to change the syllabus and/or lesson plan as necessary.
- The official copy of the syllabus is located inside the online Blackboard course shell or will be given to the student 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 a student is enrolled in, is for planning purposes only.

### **MATH TUTORING**

Please see your instructor to arrange tutoring times or to gain information about other instructors who provide tutoring. 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 tutoring.

# Math 0090 Learning Support Math Modules 7-15

By Permission Only

## Summer Semester 2018 Lesson Plan (Hybrid)

Suggested Weekly Pacing Guide	Module	Assignments	Hybrid Expectations	Competency Area
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 & Quiz  Start Preparing for Module 7 Pretest  To Finish On Time: Students must complete additional assignments, outside of the hybrid & class time by doing additional work out of class time. At least 2-hours of additional 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.  This 9 week pacing guide is intended for students who complete all Modules 7-15. Successful completion of Module 12 allows students to enroll in the co-requisite option the following semester. Students successfully completing Module 12 are also eligible to pay for an ACCUPLACER retest which will be given by the course instructor or designee.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	7 a, b, c

Suggested Weekly Pacing Guide	Module	Assignments	Hybrid Expectations	Competency Area
Week 2	Module 8 – Linear Equations and Inequalities	<p>Work on your Personalized Learning Path.</p> <p>For Module 8, use the Formula Sheet Provided by the Instructor on all Assignments.</p>	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	8 a, b, c
Week 3	Module 9 – Graphs of Linear Equations and Linear Inequalities	<p>Work on your Personalized Learning Path.</p> <p>(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.)</p>	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	9 a, b, c
Week 4	Module 11 – Polynomial Operations	<p>Work on your Personalized Learning Path.</p> <p>Cumulative Post-Test for Modules 7-9 Module 10 is completed at a later date.</p>	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	7,8,9,11 a, b, c

Suggested Weekly Pacing Guide	Module	Assignments	Hybrid Expectations	Competency Area
Week 5	Module 12 – Factoring Polynomials	Work on your Personalized Learning Path.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	12 a, b, c
Week 6	Module 10 – Systems of Linear Equations	Work on your Personalized Learning Path.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	10 a, b, c
Week 7	Module 13 – Rational Expressions and Equations	Work on your Personalized Learning Path.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	13 a, b, c



Suggested Weekly Pacing Guide	Module	Assignments	Hybrid Expectations	Competency Area
Week 8	Module 14 – Radical Expressions and Equations	Work on your Personalized Learning Path.	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	14 a, b, c
Week 9	Module 15 – Quadratic Equations	<p>Work on your Personalized Learning Path.</p> <p>Cumulative Posttest for Modules 7-15 Successful Completion of Modules 7-15 is an exit from learning support.</p>	<p><b>Hybrid 20%:</b> Work on your personalized learning path in MathXL. 20% is equivalent to 50 minutes per week.</p> <p><b>Class 80%:</b> Work on your personalized learning path in MathXL.</p>	15 a, b, c

### MAJOR COURSE COMPETECIES

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.

## **EXIT EXAM MATH 0090 MODULES 7-15 OPTIONS**

- 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 the remaining modules until the end of the semester may pay for an exit ACCUPLACER before the last day of the semester with permission from the instructor. The exit ACCUPLACER 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. The ACCUPLACER 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 7-9 will earn an F for the semester. The student must take MATH 0090 the next semester.