MATH 1111 College Algebra Web-enhanced with MathXL

COURSE SYLLABUS

Fall Semester 2019

COURSE INFORMATION
Credit Hours/Minutes: 3/2250
Class Location: Robert Toombs Christian Academy (Dual Enrollment)
Class Meets: 8:05 – 9:35 a.m., Tuesday and Thursday
Course Reference Number (CRN): 20345
Preferred Method of Contact: College Email Don Davis (ddavis1@southeasterntech.edu)

INSTRUCTOR CONTACT INFORMATION
Instructor Name: Mr. Don Davis
Email Address: Don Davis (ddavis1@southeasterntech.edu)
Vidalia/Office Location: Vidalia Main Building Room 409
Office Hours: Vidalia 1:00-3:00pm, TR- Tuesday, Thursday
Phone: 912-538-1957
Fax Number: 912-538-3156
Tutoring Hours: Vidalia 1:30-2:30 pm, TR-Tuesday, Thursday or by Appointment

SOUTHEASTERN TECHNICAL COLLEGE (STC) CATALOG AND STUDENT HANDBOOK

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's Catalog and Student Handbook (http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

TEXT
The course uses: Blitzer, R. Introductory Algebra (sixth edition). New Jersey: Prentice Hall. Student Text ISBN 13: 978-0-321-78228-1

REQUIRED SUPPLIES & SOFTWARE
Software: MathXL is the software required for the course. The MathXL Access Code is obtained from the STC bookstore. The student will be given instructions to register for MathXL during class using the MathXL access code and the MathXL course ID provided by their instructor.

Supplies: Three ring binder notebook, computer access, loose-leaf paper, pencils (all math problem work must be done in pencil), highlighter, graphing calculator (TI-83 or TI-84), and graph paper.). Cellphones or other electronic devices cannot used in lieu of the calculator. The student also needs access to a reliable internet connection for use with Blackboard, Mathxl, mySTC, and college email.

Note: Although students can use their smart phones and tablets to access their online course(s); all exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither

Blackboard nor Georgia Virtual Technical Connection (GVTC) provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to take 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 and for use in the course. If calculator usage is not allowed for some topics, students are required to adhere to those expectations.

COURSE DESCRIPTION

This course emphasizes techniques of problem solving using algebraic concepts. Topics include: fundamental concepts of algebra; equations and inequalities; functions and graphs; systems of equations; and optional topics including sequences, series, and probability; and analytic geometry.

MAJOR COURSE COMPETENCIES

Topics include: fundamental concepts of algebra; equations and inequalities; functions and graphs; systems of equations; optional topics including sequences, series, and probability; and analytic geometry.

PREREQUISITE(S)

Appropriate Degree Level Math Placement Test Score

COURSE OUTLINE

1. Fundamental Concepts of Algebra
2. Equations and Inequalities
3. Functions and Graphs
4. Systems of Equations
5. Optional Topics including Sequences, Series, Probability, and Analytical Geometry

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

Students are expected to keep assigned work in a notebook and pass quizzes and 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. This course is web-enhanced and requires the use of Blackboard, textbook websites, and textbook software. Quizzes 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 when completing all assignments.

A software program called MathXL is required. Students meet course requirements in part by completing Mathxl homework and by using Mathxl homework tutorial features such as the videos, Study Plan, View an Example button, etc. MathXL work is completed out of class time. STC Campus computers are available for use for students who do not have proper access at home. Students are expected to use home computers, the Math Classroom or other labs on campus as needed to complete MathXL assignments.

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" (Failing 0-59) 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.

ATTENDANCE GUIDELINES ADDENDUM

Students who are absent, for any reason, are responsible for contacting other classmates to determine what was missed and what is due. Course due dates must be met. Due dates should be planned for and completed early if they occur on or during some other scheduled school event.

STUDENTS WITH DISABILITIES

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.
Swainsboro Campus: Macy Gay, (mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210
Vidalia Campus: Helen Thomas, (hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

SPECIFIC ABSENCES

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

PREGNANCY

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

Swainsboro Campus: Macy Gay, (mgay@southeasterntech.edu), 478-289-2274, Building 1, Room 1210
Vidalia Campus: Helen Thomas, (hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165

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

with you to make up missed assignments.

WITHDRAWAL PROCEDURE

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% 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 percent 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" (Failing 0-59) being assigned.

After the 65 percent 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 accessed 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.

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:

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" (Withdrawal 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 (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, 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 nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes. The Technical College System and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

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

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

ACCESSIBILITY STATEMENT

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

GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on 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 Southeastern Technical College Website (www.southeasterntech.edu).

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

The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall

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

GRADING POLICY

Assessment/Assignment	Percentage
Homework	25%
Quizzes	10%
Tests	40%
Final Exam	25%

GRADING SCALE

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

MATH 1111 College Algebra

Fall Semester - 202012 Lesson Plan

Hours/Minutes 37.5 hours = 2250 minutes	Chapter	Content/Objectives	Assignments The instructor will determine exact dates during class time.	Competency Area
1-5 Instructional Hours (Chapter P: 5 X 2 = +/-10 more working hours may be required to complete and learn all expectations for Chapter P.	Chapter P Fundamental Concepts of Algebra	P.1: Algebraic Expressions, Mathematical Models, and Real Numbers P.2: Exponents and Scientific Notation P.3 Radicals and Rational Exponents P.4: Polynomials P.5: Factoring Polynomials P.6: Rational Expressions Once Confirmed each week, official due dates will be documented in MathXL with the assignment. If students are working after each class day as expected, due dates will not be an issue. ALL Tests are given in Class. Some chapters may be grouped and students may have cumulative tests as determined by the instructor.	**MathXL Homework Chapter P:** Register for Mathxl and complete the Chapter P Homework found under the Homework and Tests Button Final Due Date for all MathXl work is the day before the Final Exam. Interim due dates during the Semester are also shown in MathXL. Work not completed by the interim due dates is accepted but receives an 11% late penalty score reduction. We will discuss registration for MathXL during day 1 of class. **Additional Homework:** Students are expected to use the MathXl learning aids and the textbook to add detail to class notes. The textbook will be referenced during classroom lectures. The instructor may require additional homework. **Quiz(zes):** Class quizzes are both in class and in MathXl each week. **Chapter P Test:** Dates and Due Dates are shown in the Blackboard Calendar and in MathXL.	1,2 a,b,c
6-9	1 Equations and Inequalities	1.1: Graphs and Graphing Utilities 1.2: Linear Equations and Rational Equations 1.3: Models and Applications 1.4: Complex Numbers 1.5: Quadratic Equations 1.6: Other Types of Equations	**MathXL Homework Chapter 1:** Complete the Chapter 1 Homework found under the Homework and Tests Button. Final Due Date for all MathXl work is the day before the	2,3 a,b,c

Hours/Minutes 37.5 hours = 2250 minutes	Chapter	Content/Objectives	Assignments The instructor will determine exact dates during class time.	Competency Area
		1.7: Linear Inequalities And option: Absolute Value Inequalities	Final Exam. Interim due dates during the Semester are also shown in MathXL. Work not completed by the interim due dates is accepted but receives an 11% late penalty score reduction. **Additional Homework:** Students are expected to use the MathXl learning aids and the textbook to add detail to class notes. The textbook will be referenced during classroom lectures. The instructor may require additional homework. **Quiz(zes):** Class quizzes are both in class and in MathXl each week. **Chapter 1 Test:** Dates and Due Dates are shown in the Blackboard Calendar and in MathXL.	
10-13	2 Functions and Graphs	2.1: Basics of Functions and their Graphs 2.2: More on Functions and their Graphs 2.3: Linear Functions and Slope 2.4: More on Slope 2.5: Transformation of Functions 2.6: Combinations of Functions; Composite Functions 2.7: Inverse Functions 2.8: Distance and Midpoint Formulas; Circles	**MathXL Homework Chapter 2:** Complete the Chapter 2 Homework found under the Homework and Tests Button. Final Due Date for all MathXl work is the day before the Final Exam. Interim due dates during the Semester are also shown in MathXL. Work not completed by the interim due dates is accepted but receives an 11% late penalty score reduction. **Additional Homework:** Students are expected to use the MathXl learning aids and the textbook to add detail to class notes. The textbook will be referenced during classroom lectures.	1, 3 a,b,c

Hours/Minutes 37.5 hours = 2250 minutes	Chapter	Content/Objectives	Assignments The instructor will determine exact dates during class time.	Competency Area
			The instructor may require additional homework. **Quiz(zes):** Class quizzes are both in class and in MathXl each week. **Chapter 2 Test:** Dates and Due Dates are shown in the Blackboard Calendar and in MathXL.	
14-17	3 Polynomial and Rational Functions	3.1 Quadratic Functions 3.2: Polynomial Functions and Their Graphs 3.3: Dividing Polynomials: Remainder and Factor Theorems 3.4: Zeroes of Polynomial Functions 3.5: Rational functions and their Graphs 3.6: Polynomial and Rational Inequalities 3.7: Modeling Using Variation	**MathXL Homework Chapter 3:** Complete the Chapter 3 Homework found under the Homework and Tests Button. Final Due Date for all MathXl work is the day before the Final Exam. Interim due dates during the Semester are also shown in MathXL. Work not completed by the interim due dates is accepted but receives an 11% late penalty score reduction. **Additional Homework:** Students are expected to use the MathXl learning aids and the textbook to add detail to class notes. The textbook will be referenced during classroom lectures. The instructor may require additional homework. **Quiz(zes):** Class quizzes are both in class and in MathXl each week. **Chapter 3 Test:** Dates and Due Dates are shown in the Blackboard Calendar and in MathXL.	3 a,b,c
18-23	4 Exponential and	4.1: Exponential Functions 4.2: Logarithmic Functions 4.3: Properties of Logarithms	**MathXL Homework Chapter 4:** Complete the Chapter 4	1,3,5 a,b,c

Hours/Minutes 37.5 hours = 2250 minutes	Chapter	Content/Objectives	Assignments The instructor will determine exact dates during class time.	Competency Area
	Logarithmic Functions	4.4: Exponential and Logarithmic Equations 4.5: Exponential Growth and Decay: Modeling Data	Homework found under the Homework and Tests Button. Final Due Date for all MathXl work is the day before the Final Exam. Interim due dates during the Semester are also shown in MathXL. Work not completed by the interim due dates is accepted but receives an 11% late penalty score reduction. **Additional Homework:** Students are expected to use the MathXl learning aids and the textbook to add detail to class notes. The textbook will be referenced during classroom lectures. The instructor may require additional homework. **Quiz(zes):** Class quizzes are both in class and in MathXl each week. **Chapter 4 Test:** Dates and Due Dates are shown in the Blackboard Calendar and in MathXL.	
24-28	5 Systems of Equations and Inequalities (Optional per discretion of instructor)	5.1: Systems of Linear Equations in Two Variables (Optional per discretion of instructor) 5.2: Systems of Linear Equations in Three Variables 5.4: Systems of Nonlinear Equations in Two Variables 5.5: Systems of Inequalities	**MathXL Homework Chapter 5:** Complete the Chapter 5 Homework found under the Homework and Tests Button. Final Due Date for all MathXl work is the day before the Final Exam. Interim due dates during the Semester are also shown in MathXL. Work not completed by the interim due dates is accepted but receives an 11% late penalty score reduction. **Additional Homework:** Students are expected to use the MathXl learning aids and	2,4 a,b,c

Hours/Minutes 37.5 hours = 2250 minutes	Chapter	Content/Objectives	Assignments The instructor will determine exact dates during class time.	Competency Area
			the textbook to add detail to class notes. The textbook will be referenced during classroom lectures. The instructor may require additional homework. **Quiz(zes):** Class quizzes are both in class and in MathXl each week. . **Chapter 5 Test:** Dates and Due Dates are shown in the Blackboard Calendar and in MathXL.	
29-33	6 Matrices and Determinants (Optional per discretion of instructor)	6.1 Matrix Solutions to Linear Systems 6.3: Matrix Operations and Their Applications 6.5: Determinants and Cramer's Rule	**MathXL Homework Chapter 6:** Complete the Chapter 6 Homework found under the Homework and Tests Button. Final Due Date for all MathXl work is the day before the Final Exam. Interim due dates during the Semester are also shown in MathXL. Work not completed by the interim due dates is accepted but receives an 11% late penalty score reduction. **Additional Homework:** Students are expected to use the MathXl learning aids and the textbook to add detail to class notes. The textbook will be referenced during classroom lectures. The instructor may require additional homework. **Quiz(zes):** Class quizzes are both in class and in MathXl each week. **Chapter 6 Test:** Dates and Due Dates are shown in the Blackboard Calendar and in MathXL.	4,5 b,c

Hours/Minutes 37.5 hours = 2250 minutes	Chapter	Content/Objectives	Assignments The instructor will determine exact dates during class time.	Competency Area
34-35	7 Conic Sections (Optional per discretion of instructor)	7.1: The Ellipse 7.2: The Hyperbola 7.3: The Parabola	**MathXL Homework Chapter 7:** Complete the Chapter 7 Homework found under the Homework and Tests Button. Final Due Date for all MathXl work is the day before the Final Exam. Interim due dates during the Semester are also shown in MathXL. Work not completed by the interim due dates is accepted but receives an 11% late penalty score reduction. **Additional Homework:** Students are expected to use the MathXl learning aids and the textbook to add detail to class notes. The textbook will be referenced during classroom lectures. The instructor may require additional homework. **Quiz(zes):** Class quizzes are both in class and in MathXl each week. **Chapter 7 Test:** Dates and Due Dates are shown in the Blackboard Calendar and in MathXL.	5 b,c
36-37.5 Instructional hours (X 2+ for additional learning requirements)	8 Sequences, Induction, and Probability (Optional per discretion of instructor)	8.1: Sequences and Summation Notation	**MathXL Homework Chapter 8:** Complete the Chapter 8 Homework found under the Homework and Tests Button. Final Due Date for all MathXl work is the day before the Final Exam. Interim due dates during the Semester are also shown in MathXL. Work not completed by the interim due dates is accepted but receives an 11% late penalty score reduction.	5 b,c

Hours/Minutes 37.5 hours = 2250 minutes	Chapter	Content/Objectives	Assignments The instructor will determine exact dates during class time.	Competency Area
			Additional Homework: Students are expected to use the MathXl learning aids and the textbook to add detail to class notes. The textbook will be referenced during classroom lectures. The instructor may require additional homework. **Quiz(zes):** Class quizzes are both in class and in MathXl each week. **Chapter 8 Test:** Dates and Due Dates are shown in the Blackboard Calendar and in MathXL.	
	Final Exam	Final Exam	Final Exam	ALL

COURSE OUTLINE

1. Fundamental Concepts of Algebra
2. Equations and Inequalities
3. Functions and Graphs
4. Systems of Equations
5. Optional Topics including Sequences, Series, Probability, and Analytical 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.

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.