Instructor: Judyth A. Marzi
Office Hours: M and W 8:15 -9:20 a.m. AND 12:05 - 12:30 p.m.
Days: MW 10:50 a.m.-12:05 p.m.
Section: 01 CRN: 42064
Room: MS 216
Office: MS 211 (If crowded, MS 219)
Phone: 832-2722
E-Mail: marzij@ccsu.edu

READ THIS SYLLABUS CAREFULLY. YOU ARE RESPONSIBLE FOR KNOWING THIS INFORMATION!

Prerequisite: Grade of C- or better in Math 101, or Placement Test (Level 3).

Students For Whom This Course Is Intended: This course is a pre-requisite for Calculus I (Math 122). Calculus I is required for students pursuing a BA in mathematics or a BS with certification to teach secondary school mathematics. In addition, it is required for students majoring in computer science, earth science, chemistry, and physics, and for students in the engineering transfer program. This course is also suited for students who are pursuing an elementary mathematics major (BS). Other students may elect this course to fulfill a general education requirement in Skill Area II. Students required to take both Math 115 and Math 116 may elect instead to take Math 119, Pre-Calculus with Trigonometry, a four credit course.

Basic Goals of the Course:
   a. Solidify students’ knowledge of exponential, logarithmic, polynomial and rational functions
   b. Use functions and their properties to model mathematical situations
   c. Gain facility in solving word problems involving rates of change
   d. Acquire the habit of precise thinking in preparation for calculus


Class Meeting Times:
   Monday and Wednesday, 10:50 a.m. – 12:05 p.m. in Maria Sanford Room 216
   Attendance will be taken.

Course Requirements: Attend and participate in class regularly; complete homework assignments on time; take quizzes and tests, as scheduled. A general rule for any college course is that you are expected to put in at least 2 hours of work outside of class for every hour in class. For MATH 116, the expectation is at least 6 hours per week outside of class. THE IMPORTANCE OF ATTENDANCE AND COMPLETION OF HOMEWORK ASSIGNMENTS ON TIME CANNOT BE STRESSED ENOUGH. The amount of time spent on class work and homework is usually directly proportional to the degree of success with which students complete this course.

Students are expected to take notes in class and keep a notebook of all supplementary material given.

Students are required to keep a homework notebook/journal with the examples clearly marked by section, page and number. For every example assigned, students are required to have either the correct answer (and all work leading to it) or a journal entry explaining where the student encountered difficulty and what part of the problem the student could not find reference to either in the text or in class notes.
Students are expected to check Blackboard Learn online for course information.

Calculator Use: The recommended calculator for this course is the TI-84+. The TI-83, TI-83+, TI-84, and TI-86 are also acceptable. Calculators with a symbolic capability such as the TI-89 and TI-92 are not allowed on examinations at all. Phone calculators are not permitted.

Electronic Devices Policy: Cell phones or other communication devices, are not to be used during class, exams, or quizzes unless special accommodations are necessary and have been authorized by the instructor. NO TEXTING IS PERMITTED WHILE CLASS IS IN SESSION.

University Policies:

1. You must take the Final Examination at the time specified in the course selection book: WEDNESDAY, MAY 11, 11:00 a.m. to 1:00 p.m.

2. Please contact me privately to discuss your specific needs if you believe you need course accommodations based on the impact of a disability, medical condition, or if you have emergency medical information to share. I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Student Disability Services at: (860) 832-1957, Willard Hall, Room 101-04, if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty.

3. All students are expected to demonstrate integrity in the completion of their coursework. Academic integrity means doing one’s own work and giving proper credit to the work and ideas of others. It is the responsibility of each student to become familiar with what constitutes academic dishonesty and plagiarism and to avoid all forms of cheating and plagiarism. Students who engage in plagiarism and other forms of academic misconduct will face academic and possibly disciplinary consequences. Academic sanctions can range from a reduced grade for the assignment to a failing grade for the course. From a disciplinary standpoint, an Academic Misconduct Report may be filed and a Faculty Hearing Board may impose sanctions such as probation, suspension or expulsion. You are responsible for understanding and abiding by the University’s policy on academic integrity. This policy is rigorously enforced by the Department of Mathematical Sciences.

For further information on academic misconduct and its consequences, please consult the Student Code of Conduct (http://www.ccsu.edu/StudentConduct) and the Academic Misconduct Policy (http://www.ccsu.edu/AcademicIntegrity).

4. The last day to withdraw from a course and receive the grade of “W” is Monday, April 18. Approvals for withdrawal prior to this date are not required; however, it is strongly recommended that students consult with their academic advisors prior to deciding to withdraw. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center are not considered official notice of a student's intention to drop the course. After April 18, withdrawals are allowed only under extenuating circumstances and require approval of the course instructor and department chair (in that order).

5. In the event of a weather emergency which requires curtailment or cancellation of classes, see central pipeline, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message”.
Resources Available:

1. If you need help, take advantage of your instructor’s office hours. Do not wait until just before the first test to do so.

2. Free tutoring is available in The Learning Center, located in Willard Hall, Room 101. They can be reached at (860) 832-1900. A schedule for the hours the Center is open will be posted soon after the beginning of the semester.

3. Form a study group with other students in your section. Explaining solutions to homework problems to each other is a good way to learn.

4. A list of private tutors for hire is available in the math department office, Room 128 Marcus White, (860) 832-2835.

Evaluation:

Minimum averages have been established for each of these grades:

A 93%, A- 90%, B+ 87%, B 83%, B- 80%, C+ 77%, C 73%, C- 70%, D+ 67%, D 63%, D- 60%

The average for the course will be based on the following weights:

- **Three Tests** to be given on the following dates:
  
  - Mon., Feb. 22, Wed., Mar 30, Mon., May 2 @ 20% = 60%

- **Quizzes and Labs** (Expect daily) 20%

- **Cumulative Final Exam:** Wed., May 11, 11 a.m. – 1 p.m. 20%

  Total 100%

*No make-up tests will be given.* A missed test receives a grade of “0”; the lowest test grade will be replaced by the Final Exam grade if the Final Exam grade is greater than the lowest test grade. A student may petition the instructor to take an exam prior to the scheduled date under extenuating circumstances which must be documented beyond the instructor’s reasonable doubt.

*No make-up quizzes/labs will be given.* A missed quiz/lab receives a grade of “0”; the lowest quiz/lab grade will be dropped when computing the quiz/lab average. Expect daily quizzes.

*No Extra-Credit Assignments* will be given to improve a student’s grade. Students are expected to satisfactorily complete all assigned work, including: homework, quizzes, labs, tests, and final exam, on the dates they are due, to pass the course.
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<thead>
<tr>
<th>Monday</th>
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<tr>
<td>Jan 18 NO CLASS—Martin Luther King</td>
<td>Jan 20 Ch 0 Review of Elementary</td>
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<td>Jan 25 1.1 Functions and Graphs</td>
<td>Jan 27 1.2 Functions and Graphs</td>
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<td>Feb 1 1.3 Function Transformations</td>
<td>Feb 3 1.4 Composition of Functions</td>
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<td>Feb 8 1.5 Inverse Functions</td>
<td>Feb 10 1.6 Graphing Inverse</td>
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<td>Feb 15 NO CLASS—PRESIDENTS’ HOLIDAY</td>
<td>Feb 17 Review for Test One</td>
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<td>Feb 22 Test One: Ch 0, 1.1 – 1.6</td>
<td>Feb 24 2.1 Linear Functions</td>
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<td>Feb 29 2.2 Conics: Parabolas &amp; Circles</td>
<td>Mar 2 2.2 Conics: Ellipses &amp; Hyperbolas</td>
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<td>Mar 7 2.3 Exponents</td>
<td>Mar 9 2.4 Polynomials</td>
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<td>Mar 14 2.5 Rational Functions</td>
<td>Mar 16 3.1A Exponential Functions AND 3.4A Exponential Growth</td>
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<td>Mar 21 SPRING BREAK NO CLASSES</td>
<td>Mar 23 NO CLASSES</td>
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<td>Mar 28 Review for Test Two</td>
<td>Mar 30 Test Two: 2.1 – 2.5, 3.1A &amp; 3.4A</td>
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<td>Apr 4 3.1B Logarithms</td>
<td>Apr 6 3.2 Power Rule</td>
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<td>Apr 11 3.3 Product and Quotient</td>
<td>Apr 13 3.5 Base e and Natural</td>
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<td>Apr 18 LAST DAY TO WITHDRAW WITH</td>
<td>Apr 20 6.4 Complex Numbers</td>
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<td>3.7 Exponential Growth Revisited</td>
<td>Apr 27 Review for Test Three</td>
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<td>Apr 25 6.4 Complex Numbers</td>
<td>May 4 Review for Final Exam</td>
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<td>May 2 Test Three: 3.1B, 3.2, 3.3,</td>
<td>May 11 Final Exam 11 a.m. to 1 p.m.</td>
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<td>3.5, 3.7, 6.4</td>
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<td>No class due to finals week</td>
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