Instructor: Dr. Mark Freitag
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e-mail: mfreitag@gru.edu
Office: AH E349
Office Hours: M W 12 – 1, 2 – 4
T R 1 – 2

Required Materials
MyMathLab Access Code * Login directions are included on the attached sheet.


A TI – 83, TI – 84, or other graphing calculator is required. A TI-92, TI-89, and other calculators that use a computer algebra system are not allowed. Cell phone calculators, PDAs, and similar devices are not allowed.

* A student access code for MyMathLab is required for this course. The code may be purchased in three ways:

1. bundled with the textbook from the GRU bookstore (9780321900531),
2. purchased as a stand-alone code from the GRU bookstore, or
3. purchased from the Pearson website (pearsonmylabandmastering.com).

If you prefer to use the e-book contained in MyMathLab, it is not necessary to purchase a textbook.

Catalog Description

A rigorous study of polynomial, exponential, logarithmic, and trigonometric functions, primarily intended to prepare science and mathematics majors for calculus. Prerequisite(s): MATH 1111 (grade of C or better) or placement.

Course Requirements: Students are expected to

1. Complete all homework assignments. The purpose of the homework is to provide an opportunity to practice the many manipulative skills associated with this course. The practice will help prepare students for the tests and the final exam. Each assignment has between 15 and 25 problems and should take less than one hour to complete. All assignments will be done on MyMathLab (MyLab/Mastering). The attached sheet provides information for logging into the website. All assignments will be graded and are due by the end of day on the assigned due date. Late assignments will not be accepted as the program will automatically lock the homework at the specified time.

2. Complete in-class lab activities. It is expected that when labs are not completed in class, they will be finished as homework and turned in during the next class period.
3. Complete all tests. Tests will have some conceptual questions, but will focus primarily on the skills associated with the course. There will be a test at the end of each unit. NO MAKE-UP TESTS WILL BE GIVEN!!! If you miss class, getting due dates is your responsibility. If you know you will have to miss a test, please see me to make other arrangements.

4. Complete the final exam. The final exam is a cumulative departmental exam. The final exam must be taken on campus during the designated time. Read the memorandum from Dr. Chris Terry concerning the final exam. The memorandum is in the personal announcements section or e-mail in pipeline. If you receive services according to Georgia Regents University’s Office of Disability Services, contact your instructor for testing guidelines at least 24 hours before attempting the final exam. The final exam is scheduled for Thursday, May 5th from 5 – 7. Practice Exams will be available on the Mathematics Department website.

5. The Augusta University attendance policy is in effect. If the student is absent for more than the equivalent of 10% of class time, or 4.5 hours, regardless of cause, then the professor may withdraw the student from the class for excessive absences. However, there is some flexibility in the policy to allow students a reasonable number of absences without penalty for extraordinary personal reasons or for officially representing the university.

6. The academic regulations with regard to academic dishonesty as stated in the current Augusta University Catalog are in effect. Violations of academic honesty include cheating of all kinds, plagiarism, fraudulent research activity and/or scholarship, collusion, and false statements made to avoid negative academic consequences. Students caught cheating on any type of assignment in this course will receive a score of zero on the assignment. Written notification of unauthorized activities will be given to the student and be sent to the office of the Dean of Students.

BY ENROLLING IN THIS COURSE, YOU ACCEPT ALL CONDITIONS STATED ON THIS SYLLABUS.

**Standards of Performance**

Grading will consist of four types of assignments: homework assignments, explorations, tests, and a final. A point total will be kept for each type of assignment. The totals will then be weighted by the given percentages to determine your final grade.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Weight</th>
<th>Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework Assignments</td>
<td>20%</td>
<td>100 – 90</td>
<td>A</td>
</tr>
<tr>
<td>Explorations</td>
<td>10%</td>
<td>89 – 80</td>
<td>B</td>
</tr>
<tr>
<td>Tests</td>
<td>50%</td>
<td>79 – 70</td>
<td>C</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
<td>69 – 60</td>
<td>D</td>
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<td>59 ↓</td>
<td>F</td>
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Precalculus Course Outline

Unit 1: Functions, Polynomial Functions, and Rational Functions
   Basics of Functions and Their Graphs
   Polynomial Functions
   Transformations of Functions
   Rational Functions
   Inverse Functions

Test 1

Unit 2: Exponential and Logarithmic Functions
   Exponential Functions
   Logarithmic Functions
   Properties of Logarithms
   Exponential and Logarithmic Equations
   Exponential Growth and Decay

Test 2

Unit 3: Trigonometric Functions
   Basic Right Triangle Trigonometry
   Trigonometric Functions
   Graphs of Trigonometric Functions
   Inverse Trigonometric Functions
   Applications of Trigonometric Functions

Test 3

Unit 4: More on Trigonometry
   Trigonometric Identities
   Trigonometric Equations
   Law of Sines and Cosines
   Polar Coordinates

Test 4

Review Days

Final Exam:
   Thursday May 5 from 5 - 7
MyMathLab Login Instructions

To get full access to your MyLab / Mastering course after enrolling with temporary access, you must use an access code, a credit card, or a PayPal account.

Email Link Instructions
You should have received at least one email containing a payment link.
• Click the payment link in the email.
• Verify the course information.
• Enter your password and click Sign In.
• Paying for your course access.
• If you have already purchased an access code, click access code, enter the code and click Finish.
• If using a credit card or PayPal, click the button for the access you want to purchase, provide payment account information and verify your order.
• Print the Confirmation & Summary
You now have access to your instructor’s online course. Click Go To Your Course.

Method 1: If your temporary access is still active:
• Go to www.pearsonmylab.com or www.pearsonmastering.com
• Click Sign In.
• Enter your username and password and Sign In
• Click “Pay or use an access code now” in your course listing.
• Paying for your course access.
• If you have already purchased an access code, click access code, enter the code and click Finish.
• If using a credit card or PayPal, click the button for the access you want to purchase, provide payment account information and verify your order.
• Print the Confirmation & Summary
You now have full access to your instructor’s online course. Click Go To Your Course.

Method 2: If your temporary access has expired:
• Go to www.pearsonmylab.com or www.pearsonmastering.com
• Click Student under Register.
• Enter your current Course ID and click Continue.
• Verify the course information.
• Enter your username and password and click Sign In.
• Paying for your course access.
• If you have already purchased an access code, click access code, enter the code and click Finish.
• If using a credit card or PayPal, click the button for the access you want to purchase, provide payment account information and verify your order.
• Print the Confirmation & Summary
You now have full access to your instructor’s online course. Click Go To Your Course.