Welcome to MATH 2011 Calculus & Analytical Geometry I, which is taught completely online using WebAssign, Desire2Learn, and other technologies. Learning online gives students the opportunity to manage the time and place for attending class. However, this course has beginning and ending dates. The assignments, tests, and final exam must be completed by specified due dates.

You are expected to dedicate at least 12 hours per week to this course. If you were taking this course face-to-face, you would spend 4 hours in class per week. Since the rule of thumb is 2 hours of study time per hour spent in class, you would be expected to spend at least 8 hours completing assignments and studying per week. Thus, 12 hours per week.

Join me in WebEx on Sunday, January 17 at 8:30 p.m. for further discussion.

A grade of C or better in MATH 1113 or by placement

1. Students will demonstrate the ability to model and solve problems using knowledge and techniques of Calculus.
2. Students will demonstrate sufficient knowledge of techniques of differentiation and integration for entry into upper level mathematics courses.

A WebAssign student access code is required for this course. You may purchase the access code three different ways:
- Bundled with the textbook from the Augusta University bookstore
- As a stand-alone code from a cashier at the Augusta University bookstore
- From www.webassign.com (multi-term code recommended) after logging in WebAssign

If you do not register in WebAssign by midnight on Thursday, January 14, you will be withdrawn.
The textbook for the course is *Essential Calculus* 2nd edition by James Stewart. If a student prefers to use the e-book contained in WebAssign, it is not necessary for the student to purchase a printed textbook. This course includes the chapters listed below:

- Chapter 1 Functions and Limits
- Chapter 2 Derivatives
- Chapter 3 Applications and Differentiation
- Chapter 4 Integrals
- Chapter 5 Inverse Functions: Exponential, Logarithmic, and Inverse Trigonometric Functions

**Solutions Manual: Is the student solutions manual required for this course?**

*Student Solutions Manual* for Stewart’s *Essential Calculus*, 2nd edition by Stewart (ISBN 9781133490944) is available from various vendors, including the GRU bookstore. The solutions manual is not required; however, it is highly recommended. This manual may prove helpful when students cannot figure out the next step when solving a problem after hours of trying.

**Calculator: What type of calculator is required for this course?**

A calculator is required. Students may use a scientific calculator. However, a graphing calculator will provide a better learning experience when used properly.

**Technology Skills: What technology skills are required for this course?**

- Know how to navigate within a website.
- Know how to send an e-mail.
- Know how to attach a document.
- Know how to scan a document in case you want to share information with your instructor or classmates that is not in electronic form.
- Know how to download and install software.

**Technology: How do students and the professor use technology in this course?**

- Students complete assignments in WebAssign. This course will be delivered totally online using WebAssign ([https://webassign.com/](https://webassign.com/)). To access WebAssign and for system requirements, read the *Getting Started in WebAssign* document posted in the *Using WebAssign* module in Desire2Learn. Students should use their Augusta University email address. The institution code is grua.
- Students will interact with their professor and classmates on the discussion board in Desire2Learn.
- Students will need a scientific calculator that performs calculations using *direct algebraic logic*. Graphing calculators are permitted.
- The professor will receive and send emails using JagMail.
- The professor will use WebEx ([http://gru1.webex.com](http://gru1.webex.com)) to host webinars.
- The professor will communicate via phone and Skype (Prof.Holt1).
**System Requirements: What are the system requirements for using WebAssign?**

Go to http://www.webassign.net/manual/student_guide/c_a_system_requirements.htm

**Communication: How will the students and professor interact and communicate online?**

Most of the communication in this course will be done electronically – Desire2Learn discussion board and News, Skype, and WebEx webinars. Good communication is one of the key elements in building a learning community; therefore, it is important that you read, understand, and practice the rules of netiquette. Feel free to use emoticons. If you need to speak with me by phone, WebEx or Skype, send me an e-mail with your contact information along with the times you can be reached.

I will use JagMail for sending and receiving all e-mails. **Remember to check your JagMail daily and the news area in Desire2Learn weekly.** I will respond to all e-mails and messages within **two** business days.

The discussion board in Desire2Learn is a communication tool that provides a forum for students and professor to engage in dialog about various topics. Always remember to check your message for spelling and grammatical errors before posting. Do not post any information on the discussion board that you do not want to share with everyone. Once the information is posted, all of your classmates can read your post. You must respect your classmates’ time when posting messages on the discussion board; stick to the topic being discussed. There is a forum on the discussion board for casual conversations. I will monitor the posts on the discussion board, and respond as needed.

If at any point in the course you feel left out or disrespected, send me an e-mail immediately. The online learning environment for this course must be conducive to learning and participation. Also, **any disruptive student may be withdrawn from this course and referred to the proper university official.**

**Feedback: When do students receive feedback on assignments and tests?**

Students will receive immediate feedback on all computer graded assignments completed in WebAssign. Students will receive feedback within 7 business days of the due date for all tests graded by the professor.

**Grading Scale: How are letter grades determined for the course?**

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Numeric Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 to 100</td>
</tr>
<tr>
<td>B</td>
<td>80 to 89</td>
</tr>
<tr>
<td>C</td>
<td>70 to 79</td>
</tr>
<tr>
<td>D</td>
<td>60 to 69</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
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</tbody>
</table>
Course Grade: How is the course grade calculated?

- Participation (5%)  
  A post and at least one meaningful reply for every assigned discussion on the Desire2Learn discussion board.

- WebAssign Assignments (25%)  
  You may attempt each WebAssign assignment as many times as necessary before the due date.

- Paper-and-Pencil Assignments (0%)  
  The paper and pencil assignments are required; however, they will not be graded. The answers are (a) in the back of the printed textbook and (b) in the End Matter section of the e-book. The concepts covered by these assignments will be included on chapter tests and the final exam.

- Tests (40%)  
  All tests must be proctored. You may have your test proctored (a) at the Augusta University Testing Center (no cost) or (b) by an approved off-campus proctor or testing center. See the test proctoring guidelines in the Test Proctoring Guidelines module in Desire2Learn.

  If you receive services according to Augusta University’s Office of Disability Services, contact your instructor for testing guidelines.

- Final Exam (30%)  
  The final exam is a cumulative exam. The final exam must be proctored. You may have your final exam proctored (a) at the Augusta University Testing Center (no cost) or (b) by an approved off-campus proctor or testing center (fees may apply). See the test proctoring guidelines in the Test Proctoring Guidelines module in Desire2Learn.

  If you receive services according to Augusta University’s Office of Disability Services, contact your instructor.

Academic Honesty: What is the policy concerning academic honesty?

Read and adhere to the policy concerning academic honesty in the college catalog (http://catalog.gru.edu/content.php?catoid=22&navoid=2826#Academic_Honesty)
Rubric: How are the problems on tests graded?

Use the examples in the lecture notes as models for writing complete solutions.

<table>
<thead>
<tr>
<th>SCORE (points)</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>This problem is completely correct. The solution is written in a logical manner with correct justification. Proper notation and terminology is used.</td>
</tr>
<tr>
<td>4</td>
<td>Either the problem is correct but is either not as well-written as expected for a 5-point solution, improper notation/terminology is used, or there is a very minor (typically computational) error. In addition, proper justification is not provided for the solution.</td>
</tr>
<tr>
<td>3</td>
<td>This problem is practically correct. It is not well-written. Improper notation/terminology is used. There are a few minor errors. In addition, proper justification is not provided for the solution.</td>
</tr>
<tr>
<td>2</td>
<td>This problem is incorrect. However, significant progress is made without a complete solution, or a major error has been made.</td>
</tr>
<tr>
<td>1</td>
<td>This problem is incorrect. The solution shows some awareness of correct methods.</td>
</tr>
<tr>
<td>0</td>
<td>This problem is incorrect, and the solution shows no awareness of correct methods.</td>
</tr>
</tbody>
</table>

Withdrawal from Course: What is the withdrawal policy for this course?

- If you do not register in WebAssign by midnight on Thursday, January 14, you will be withdrawn.
- If it is necessary for you to withdraw from this course, contact me by e-mail.
- If you withdraw before or on the midterm date (March 7), you will receive a W.
- If at any point after midterm (March 7) you have missed two tests or missed logging in the course for seven consecutive days, you will be withdrawn from this course and receive a WF.
### Campus Resources: What types of student support services are available on campus?

<table>
<thead>
<tr>
<th>For Assistance With:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mathematics presented in this course</strong></td>
<td>• Contact Professor Holt&lt;br&gt;• Participate in the weekly webinars&lt;br&gt;• Visit the Mathematics Assistance Center (Allgood Hall N304).&lt;br&gt;• Meet with a study group.</td>
</tr>
<tr>
<td><strong>Learning how to study mathematics online</strong></td>
<td>• Contact Professor Holt</td>
</tr>
<tr>
<td><strong>Math Anxiety</strong></td>
<td>• Contact the Augusta University Counseling Center (Central Utilities Plant or 706-737-1471).</td>
</tr>
<tr>
<td><strong>Testing Anxiety</strong></td>
<td>• Contact the Augusta University Counseling Center (Central Utilities Plant or 706-737-1471).</td>
</tr>
<tr>
<td><strong>Time Management</strong></td>
<td>• Contact the Augusta University Counseling Center (Central Utilities Plant or 706-737-1471).</td>
</tr>
<tr>
<td><strong>Resolving technical issues related to Desire2Learn or JagMail</strong></td>
<td>• Contact the IT Student Helpdesk (University Hall Rm 156 or 706-721-4000).</td>
</tr>
<tr>
<td><strong>Scanning documents</strong></td>
<td>• Contact the Educational &amp; Collaborative Technology Center (University Hall Rm 156 or 706-737-1703).</td>
</tr>
<tr>
<td><strong>Checking out a laptop</strong></td>
<td>• Contact the Educational &amp; Collaborative Technology Center (University Hall Rm 156 or 706-737-1703).</td>
</tr>
<tr>
<td><strong>Resolving issues related to WebAssign</strong></td>
<td>• Call (800) 955-8275&lt;br&gt;• <a href="http://www.webassign.net/manual/student_guide/c_s_help_landing_page.htm">http://www.webassign.net/manual/student_guide/c_s_help_landing_page.htm</a></td>
</tr>
<tr>
<td><strong>Accommodations provided according to the American Disability Act (ADA)</strong></td>
<td>• Contact the Office of Testing and Disability Services (Galloway Hall or 706-737-1469).</td>
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</tbody>
</table>