MATH 1634: Calculus I (Section 04)  Spring 2017

Meetings:  TR  11:00 am – 12:15 pm in Boyd 305  
F  11:15 am – 12:05 pm in Boyd 303

by James Stewart, Brooks/Cole Publishing Company

Instructor:  Dr. Xiaofeng Gu (xgu@westga.edu)  
Office:  Boyd 316; Phone: (678) 839-4143  
Office Hours:  TR 8:10-10:50 am; F 9:30-10:50 am

Course Website:  CourseDen

1  Course Description:

This is the first of a three-course sequence in calculus. Topics include limits, applications of derivatives to problems in geometry and the sciences, and problems which lead to antiderivatives.

2  Learning Outcomes:

1. The student will be able to compute limits.

2. To be able to compute derivatives of polynomial, rational, exponential, logarithmic, and trigonometric functions.

3. To be able to apply calculus to related rate, maximum-minimum, and curve sketching problems.

4. To understand the definition of the indefinite and definite integral.

5. To understand and be able to apply the Fundamental Theorem of Calculus.

6. To be able to compute definite integrals using the techniques of integration by inspection and integration by substitution.

3  Evaluation

Quizzes (Eight quizzes, each worth 10 points): There is a quiz in almost every week if no test. About 20 minutes each.

Tests (Three tests, each worth 100 points): The tentative test dates are February 2 (Test 1); February 28 (Test 2); April 6 (Test 3).

Final Exam (120 points): The final exam is comprehensive and cumulative.

Grades: Grades will be based on the following percentages.

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90-100:</td>
<td>A</td>
</tr>
<tr>
<td>80-89:</td>
<td>B</td>
</tr>
<tr>
<td>70-79:</td>
<td>C</td>
</tr>
<tr>
<td>60-69:</td>
<td>D</td>
</tr>
<tr>
<td>0-59:</td>
<td>F</td>
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4 Policies

Attendance: You are required to attend every class. If a class is missed, you are responsible for all materials and assignments.

Equipment: A graphing calculator is allowed for this course (such as TI-83 and 84, etc), but the TI-89 is NOT allowed. Any cell phone is NOT allowed to use in class. Please silence your cell phone during the class.

Homework: Homework will be assigned for every section. Although it will not be collected and graded, you are strongly encouraged to do homework in order to understand the materials, and to prepare for quizzes and exams.

Make-ups: Make-up will be granted only for excused absences. Official documents are needed. The student is required to contact the instructor in advance to reschedule the make-up. If that is impossible, the student must contact the instructor the same day of the test by email or phone to let the instructor know. Any make-up must be arranged within 7 days from the original date. No make-up for final exam.

University Policies and Academic Support: For important policy information, i.e., the UWG Honor Code, Email, and Credit Hour policies, as well as information on Academic Support and Online Courses, please review the information found in the Common Language for Course Syllabi documentation http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf.

Academic Honesty: Definitions of academic dishonesty are defined in the student handbook: http://www.westga.edu/handbook

Disabilities Act/Accessibility for the Course: If you are a student whom is disabled as defined under the Americans with Disabilities Act and require assistance or support services, please notify me and provide me with a copy of your packet from Student Services. The university will provide you with resources for any audio/visual needs that you may have with the learning management system or course content. Please contact UWG Accessibility Services for more information.

Student Conduct: Students are expected to abide by the guidelines detailed in the university catalog. Respect and courtesy are required of all students while in the classroom.

5 Important Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>January 9</td>
<td>First day of class</td>
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<tr>
<td>January 16</td>
<td>MLK Day (no classes)</td>
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<tr>
<td>March 2, 4:00 pm</td>
<td>Last day to withdraw with a grade of W</td>
</tr>
<tr>
<td>March 20-25</td>
<td>Spring Break (no classes)</td>
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<tr>
<td>May 9, 11:00 am -1:00 pm</td>
<td>Final Exam</td>
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The instructor retains the right to modify this syllabus to better serve the course objectives.