1. **Prerequisites:** C or higher in Math 155 Calculus I

2. **Textbook:** Stewart, James. Essential Calculus: Early Transcendentals.

3. **Topics to be covered:**
   - The Fundamental Theorem of Calculus
   - Techniques of Integration
   - Applications of Integration
   - Sequences and Series
   - Parametric Equations and Polar Coordinates

4. **Grading:** Throughout this course, you will be graded not only on your ability to obtain the correct answer to a problem, but also on your ability to use the problem solving methods taught in this course and your ability to justify your work. **A CORRECT ANSWER WITHOUT THE SUPPORTING WORK WILL BE GIVEN NO CREDIT.** This applies to exams, homework, quizzes, and in-class activities. When in doubt, show all of the steps!!

   **Course Grades:** Your course grade will be broken into the following components.

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>4 Tests (100 points each)</td>
<td>400 points</td>
</tr>
<tr>
<td>Comprehensive Final</td>
<td>200 points</td>
</tr>
<tr>
<td>10 Quizzes (10 points each)</td>
<td>100 points</td>
</tr>
<tr>
<td>Homework</td>
<td>50 points</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>750 points</strong></td>
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</table>

   **Grading Scale:** Standard University grading scale applies based on overall weighted averages.

<table>
<thead>
<tr>
<th>Points</th>
<th>Percentage</th>
<th>Letter</th>
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</thead>
<tbody>
<tr>
<td>675 750</td>
<td>90 100</td>
<td>A</td>
</tr>
<tr>
<td>600 674</td>
<td>80 89</td>
<td>B</td>
</tr>
<tr>
<td>525 599</td>
<td>70 79</td>
<td>C</td>
</tr>
<tr>
<td>450 524</td>
<td>60 69</td>
<td>D</td>
</tr>
<tr>
<td>0 449</td>
<td>0 59</td>
<td>F</td>
</tr>
</tbody>
</table>

5. **Tests:** The Tests and Final Exam will be created and graded by the instructor. Tests will be given in class and will be closed notes/closed book. If you miss an Exam, then you MUST contact the instructor by e-mail BEFORE the Test. If the instructor is NOT contacted before a missed Test, then a Make-Up Tests CAN be refused, resulting in a ZERO. All make ups for Tests must be completed within 3 days of the Test day. Calculators will NOT be allowed on the Tests or Final.
The Tentative Test Schedule is:

Test 1 Friday, February, 2011
Test 1 Friday, February, 2011
Test 1 Friday, February, 2011
Test 1 Friday, February, 2011
Final Exam
  Section 5 Wednesday, May 4  3–5 p.m.
  Section 8 Monday, May 2  3–5 p.m.

6. Attendance: Attendance will be taken daily. Students may earn up to 10 bonus points by attending class regularly. Each student is given 2 grace absences. After that, each absence will result in the loss of 1 of the bonus points. Since Attendance is Bonus, ALL missed classes are treated the same, regardless of the reason. **Students who miss ANY class during the first week of classes will be administratively dropped.**

7. Homework: Doing exercises is an important component to learning. For practice, students should do all of the assigned homework problems from each section. The list of those problems is posted on the website. Answers to these problems are given in the back of the textbook. These problems will NOT be collected or graded by the instructor.

Throughout the semester there will be several written homework assignments. Each of those assignments will have a due date. Late written assignments (up to two days late) will result with the loss of 20% of the credit. Assignment turned in more than two days late will receive no credit.

We will also use online homework (WeBWorK).

At the end of the semester, total points for the homework (written and online) will be converted to 0-50 scale.

8. Quizzes: There will be in class and take-home quizzes during the semester. Each quiz is worth 10 points. Only the top 10 Quizzes will be counted for each student. **There are NO make-up quizzes.**

9. Calculator Policy: Students will NOT be allowed to use a calculator of any type when taking quizzes or tests. Students may find a calculator helpful when working some of the homework problems. Students may feel that a graphing calculator is helpful in developing their intuition about topics, such as limits.

10. Help Outside the Classroom:

    - You may attend the office hours of your instructor.
    - You may also stop by the Math Learning Center, 301 Armstrong, where you may receive FREE tutoring from the graduate teaching assistants and undergraduate math majors. Hours of operation are posted at the MLC. This is a great place to work on your homework alone or with classmates.
    - You are able to use the IML Computer Lab during open lab hours. These times will be provided to you at a later date.
    - Tutoring is available in the University Learning Centers in the residence halls.
    - You may also wish to hire a private tutor. Several graduate students are available for tutoring. A list of tutors is available in the Math Office, 320 Armstrong Hall.
11. **Social Justice Statement:** West Virginia University is committed to social justice. We concur with that commitment and expect to foster a nurturing learning environment based upon open communication, mutual respect, and non-discrimination. Our University does not discriminate on the basis of race, sex, age, disability, veteran status, religion, sexual orientation, color or national origin. Any suggestions as to how to further such a positive and open environment in your class will be appreciated and given serious consideration.

12. **Disability:** If you are a person with a disability and anticipate needing any type of accommodation in order to participate in your class, please advise your instructor and make appropriate arrangements with Disability Services (293-6700). In particular, if you are allowed extra time for examinations, please give your instructor the appropriate paperwork ASAP so that we can make the appropriate accommodations for your exams.

13. **Academic integrity:** The integrity of the classes offered by any academic institution solidifies the foundation of its mission and cannot be sacrificed to expediency, ignorance, or blatant fraud. Therefore, instructors will enforce rigorous standards of academic integrity in all aspects and assignments of this course. For the detailed policy of West Virginia University regarding the definitions of acts considered to fall under academic dishonesty and possible ensuing sanctions, please see the Student Conduct Code at http://www.arc.wvu.edu/admissions/integrity.html. Should you have any questions about possibly improper research citations or references, or any other activity that may be interpreted as an attempt at academic dishonesty, please see your instructor or the course coordinator before the assignment is due to discuss the matter.

* This syllabus is subject to change. Check e-campus for updates.