Required Text  
**Essential Calculus: Early Transcendentals (Second Edition)**, by J. Stewart

Course Content  
Selected sections in Chapters 10-13 of the textbook.

Course Objective  
Develop differential and integral calculus for two and three variables. In particular, the student who successfully completes the class will be able to:

1. extend the concept of derivative to several variables
2. find maxima/minima of surfaces
3. extend the concept of integration to several variables
4. relate line integrals to area integrals via Green’s Theorem
5. relate surface integrals to volume integrals via Stokes’ Theorem and the Divergence Theorem.

Homework Policy  
Problems will be assigned and graded regularly via the WebAssign system (the class key is **calvin 0096 7978**). The homework is due at the stated date and time, and late assignments will not be accepted. I encourage you to collaborate with each other when doing the homework problems. One of the goals in doing the homework is to not only further develop your problem-solving skills, but to improve your ability to communicate mathematics to others.

*The quiz problems will come directly from the assigned homework problems.*

Make-up Policy  
There will be no make-ups for the quizzes. The lowest quiz grade will be dropped.
There will be no make-up exams. If you miss an exam, the score on the final will be substituted for the score of the exam.

Grading Policy  
Quizzes will be given weekly. There will be three midterm exams for M270, and four midterm exams for M271. Both classes will have a final exam. The points will be distributed as follows:

<table>
<thead>
<tr>
<th></th>
<th>Homework</th>
<th>Quizzes</th>
<th>Midterm Exams</th>
<th>Final Exam</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Points</td>
<td>30</td>
<td>100</td>
<td>100 each</td>
<td>150</td>
<td>580 (M270) or 680 (M271)</td>
</tr>
</tbody>
</table>

The distribution of grades is not determined until the end of the semester. In a typical situation, the final distribution of grades will determine the cutoff point for A’s, B’s, etc. I can guarantee, however, that if your class average is 93 or better, then you will receive an A for the course.

Attendance Policy  
Your attendance is not mandatory; however, your likelihood of doing well is directly proportional to the number of lectures that you attend. If you decide not to attend, that is your business, but please do not then expect me to be sympathetic to your pleas for help the day before a quiz/exam is given.

Electronic Gadget Policy  
While you are free to use the technology of your choice while doing the homework problems, **you will not be permitted to use any technology when taking in-class quizzes or exams.**

The classroom is a **No Cell Phone Zone**. You are not to use your cell phone to make phone calls, receive phone calls, or text message. Any violation of this policy will result in the deduction of three points from your final class average.