Learning Outcomes: Upon successful completion of this course, the student will

1. Master the standard integration techniques and develop the ability to judge which techniques are appropriate on given problems.
2. Master more advanced topics from integral calculus, such as L’Hôpital’s Rule and improper integration.
3. Be able to set up definite integrals for computing quantities such as areas, arc lengths, and surface area, whether in rectangular or polar coordinates.
4. Understand the basic definitions for sequences and series as well as the fundamental notations for power series representation of functions.

Sample assignment: section 10.2 #10, 11, 14, 16, 18, 20, 26

Academic Dishonesty: All students must do their own work. If you need help, please come see me or go to the Polya calculus tutoring area. If a student is caught cheating at any time, that student may be assigned an F for the course and will be referred to the Dean of Students. See more details on the website.

Instructor: Thomas Jacobs
Office: Brink Hall, G6
email: thomasj@uidaho.edu

Required:
2. Pencil and eraser. All collected written homework and tests are to be done in pencil, neatly and organized, using an eraser to make corrections. You should not scribble.
3. You will need a calculator for the homework. No calculators or other devices are allowed on the exams. No laptops, tablets, phones or other technological devices will be allowed in class. If you abuse this rule, you will be given one warning and thereafter asked to leave and you will earn an absence. And, depending on the infraction, I may report you to the dean of students for abusing the student code of conduct.

Attendance - Regular attendance is crucial for success. I will take attendance every day. Unless previous arrangements are made, you are expected to arrive on time and stay for the whole class. If you must leave early, please use common courtesy and come tell me before class. You will be allowed 5 unexcused absences. More than 5 unexcused absences will result in an automatic F for the course.

I would prefer to have excuse notes scanned and sent to me by email, if possible. For a school sponsored event, I need the excuse, before you leave. For illness, I need an excuse the day you return. Otherwise, your absence will not be excused. Occasionally, there may be extreme circumstances, but that is up to me to determine.

An excused absence will result from a verifiable illness (you or your immediate family), family emergency (verifiable by the dean of your college), class or sports team sponsored trip (verifiable by the coach or professor in charge), or a required court appearance (verifiable by an officer of the court.) Regular, non-emergency, dental and doctor check-ups should be scheduled at a time when you are not in class.
Homework – There will be 10 collected and graded homework for a possible 10 points each. You will be graded for mathematical accuracy, neatness, and the ability to use proper mathematical notation. You should use the examples that are done in class as your models. A large part of your graded homework scores will be based on your demonstrating that you can use proper math notation presented in a neat and organized manner. See the document on the course website.

Late homework will not be accepted without an excused absence. For prearranged absences (field trips, athletics, etc.), you should hand in your homework before you leave or give it to someone to hand in for you. The due dates (Mondays or Tuesdays), along with the assignment will be posted on the course website.

It is absolutely essential for your learning in this class and your retention for future classes that you do all the homework.

Math is not a spectator sport!

Weekly Review/help session – These sessions will be offered by the course monitor, Judi Terrio, judit@uidaho.edu. These are tentatively set up for Wednesdays from 6:00 PM to 7:15 PM. Classroom TBA. I will email you when I confirm the day, time and classroom.

Tests – There will be four unit tests worth 100 points each. All four sections will take the same exam. Tentatively, these will be given on Thursday evenings from 7:00 – 8:15 PM. See the schedule on the course website. If changes are made to this schedule you will be informed ahead of time. If you miss a test, I expect you to contact me on the day of the test (hopefully with an excused note attached) to make arrangements to make up the test on the following day.

The exams are currently scheduled for the following Thursdays: February 1st, March 1st, March 29th, and April 19th.

The final exam will be on Wednesday, May 9th, from 7:00 PM – 9:00 PM. Room TBA
  o It is department policy that no student shall pass the course without taking the final exam.
  o Conflict requests must be made ASAP. Early finals are generally not approved, so make travel plans accordingly.

Grades –

Grades will be based on:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams (4 x 100 points)</td>
<td>400</td>
</tr>
<tr>
<td>Written Homework (10 x 10 points)</td>
<td>100</td>
</tr>
<tr>
<td>Comprehensive Final Exam, scaled to 200</td>
<td></td>
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<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>700 points</strong></td>
</tr>
</tbody>
</table>

At the end of the semester Judi Terrio will decide on a possible scale out of the 700 total points possible. You should assume that the grade cutoffs are the standard 90 (A), 80 (B), 70 (C), 60 (D), and below 60 (F).

Reasonable accommodations are available for students who have documented temporary or permanent disabilities. All accommodations must be approved through Center for Disability Access and Resources, located in the Bruce M. Pitman Center Suite 127, in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course. Contact CDAR at 208-885-6307, email cdar@uidaho.edu or go to www.uidaho.edu/current-students/cdar.