Learning Objectives

- The student will master the standard integration techniques, and develop the ability to judge which techniques are appropriate on given problems.

- The student will master more advanced topics from integral calculus such as L’Hospital’s rule and improper integrals.

- The student will be able to set up definite integrals for computing quantities such as areas, arc lengths, and surface areas, whether in rectangular or polar coordinates.

- The student will understand the basic definitions for sequences and series, as well as the fundamental notions for power series representation of functions.

Sample application assignment: 6.6: 30, 31, 32, 33, 34, 35, 36, 37.

Required

2. **MyMathLab** is an on-line homework application. You will be using this to do some of the homework. The MyMathLab website is [http://www.mymathlab.com](http://www.mymathlab.com).

**POLYA**: For additional help, visit the Calc I & II Room in the POLYA Center in Brink Hall. The hours for POLYA can be found on [http://www.webpages.uidaho.edu/polya/](http://www.webpages.uidaho.edu/polya/).

**Course Website**: [http://www.webpages.uidaho.edu/math175/](http://www.webpages.uidaho.edu/math175/)

Attendance - Regular attendance is crucial for success. Your phones, laptops, and other devices should be put away. It is impolite to use them during class and a distraction to other students.

Homework - Homework will consist of 2 types:

1. **On-line homework** – The due dates will be posted on MyMathLab. A few of these may be dropped to accommodate technological problems. It is the student’s responsibility to check for assigned online homework. Extensions will not be given.

2. **Written homework** – Written assignments will be assigned weekly via email and due on Thursdays. The written homework will be graded, not only on correctness, but also on using correct mathematical notation.

Tests – There will be four unit tests worth 100 points each. These will be given on the following dates: February 5th, March 5th, April 2nd, April 23rd. Calculators will not be allowed on tests.
There will be no homework extensions or make-up tests given without an official, university-excused absence.

You must contact me ASAP to reschedule if you are ill on a test day.

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.

The final exam will be on Thursday, May 14th, 7:30 am – 9:30 am.

- It is department policy that no student shall pass the course without taking the final exam.
- Conflict requests must be made ASAP. Early finals are generally not approved, so make travel plans accordingly.

Cheating policy:
If I catch you cheating or being involved in any kind of academic dishonesty, you will receive an “F” for the entire course, and be referred to the Dean of students. On homework, I encourage you to work together but the solution has to be written “independently”. During tests, looking at someone else’s paper, talking, using cell phones are all considered cheating.

Grades –

Grades will be based on:

<table>
<thead>
<tr>
<th></th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>(4 × 100) = 400 points</td>
</tr>
<tr>
<td>Written Homework</td>
<td>100</td>
</tr>
<tr>
<td>MyMathLab Homework</td>
<td>100</td>
</tr>
<tr>
<td>Comprehensive Final Exam</td>
<td>200</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>800 points</strong></td>
</tr>
</tbody>
</table>

Grades will be assigned according to the standard 90 – 80 – 70 – 60% scale.

Disability Support Services Reasonable Accommodations Statement:
Reasonable accommodations are available for students who have documented temporary or permanent disabilities. All accommodations must be approved through Disability Support Services located in the Idaho Commons Building, Room 306 in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course.

- 885-6307
- email at <dss@uidaho.edu>
- website at <www.uidaho.edu/dss>