Learning Objectives: Upon successful completion of the 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.
5. Sample Assignment: 8.7 #11, 15, 21 [n = 4], p. 589 #25a

Attendance: It is important that you attend class each day. While your grade is not directly impacted by your attendance, I will keep track of who is coming to class.

Online Homework: Homework will be assigned and graded on My Math Lab (MML), an online homework application. Please see the handout about joining MML.

Written Homework: At the end of the week, I will assign a set of problems from the text to be collected the following Friday at the start of class. Late work will be docked 2 points automatically and will only be accepted until the end of class on the following Monday. Please see the schedule for due dates. Each assignment will be worth 10 points. Just as spelling and grammar are important in essay writing, proper mathematical notation and clean work are just as important as having the correct solution. Not following the guidelines below will result in a lower score. The purpose of written homework is for you to practice writing mathematics so others can easily follow your work. At the end of the semester your lowest score will be dropped.

Written Homework Guidelines: Your work should be neat and easy to follow. Use these guidelines when completing your written homework. Homework not following these guidelines will receive an F for the assignment.

- Write your homework neatly in pencil. DO NOT write your homework in pen or marker.
- You must staple multiple pages together. DO NOT fold the corners.
- Remove the fringe if you use perforated notebook paper.
- Homework without a name will receive no credit.
- Except for word problems or given graphs, copy the problem as your first step. When organizing your steps, work down, not across. Use the examples that are done in class as your models. You must provide work/explanation for each answer.
- Write so your work is neat and easy to follow. Solutions should be clearly visible.
- Have no more than 3 problems per page and leave one line of space between each problem.
• Label the top of the first page of your homework like the following:

| Homework ### | Problems ### | Name | Date | M175-04 |

• Use proper terminology and notation. For example, the expression \( \lim_{k \to \infty} = 2 \) is improper notation, the correct notation is \( \lim_{k \to \infty} f(x) = 2 \). Show all work and explain your reasoning in a neat and organized manner. Use scratch-work on a separate sheet before writing your final solution.

• Answers without proper justification will receive no credit. Do not use techniques from future sections to simplify your work, as this defeats the purpose of the assignment. (For example, if the homework is from chapter 7, do not use techniques from chapter 8 and above.)

• You will lose points for errors. A minor error will result in a minor loss of points, but a major error which compromises the purpose of the problem will result in a major loss of points. (For example, dropping a minus sign is a minor error but splitting a fraction across a sum in the denominator is a major error.) This also applies to exams.

• Using Wolfram Alpha or any other software to complete your written homework is cheating. At a minimum, you will not receive credit for an assignment using such software.

Exams: Exams will be taken in class. You will not be allowed to use your books, notes, or calculators while taking an exam. You will be given a handout with some formulas that you may use during the test. No phones or other means of communication are allowed out during exams. Exams completed in anything other than a pencil will be docked 5%. Exams without a name will receive no credit.

There will be four unit exams and a final exam. Please refer to the schedule for the content of each exam. The schedule is approximate and subject to change; I will notify you should the material for an exam differ from what is on the schedule. There will be no make-up exams unless previously arraigned or an acceptable doctor’s note is received. When you turn in your exam you will not be allowed to return to it; keep this in mind and please use the restroom prior to arriving for an exam. Please arrive on-time to exams. If you arrive after anyone hands in the exam and leaves, you will not be permitted to begin the exam. Notify me immediately by email if there is an emergency that prevents you from arriving for the exam.

Grades: Grades will be based on the online homework, the written homework, the four unit exams, and the final as follows. The MML assignment average is worth 10%. The lowest written homework assignment score is dropped; the average of the remaining assignments is worth 15%. The average of the four unit exams is 55%. The final exam is 20%. If you get at least a B on the final exam and that score is higher than your lowest unit exam score, I will replace the lowest unit exam score with the score you earned on the final exam. Letter grades are assigned by the 90-80-70 scale.

Academic Dishonesty: Students are expected to abide by the conditions of the University of Idaho Student Code of Conduct regarding academic honesty. Students caught cheating on exams, copying other students’ work, or any other form of academic dishonesty will be reported to the Dean of Students Office. Possible penalties include scores of zero on the related coursework, or assigning a grade of F for the course. I am here to help you learn this material. If something does not make sense or is challenging, you should meet with me to work through it.

Special Needs: 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 (DSS) located in the Idaho Commons Building, Room 306. Please visit DSS as soon as possible regarding accommodations needed for the course. DSS phone: (208) 885-6307, DSS email: dss@uidaho.edu, DSS website: http://www.uidaho.edu/dss

Disclaimer: In the event that a situation arises which is not explicitly addressed by or which is in contradiction to the above, the instructor reserves the right to resolve said situation as she sees fit.