Instructor. John Pawlina.
Office. Brink Hall, basement south, B4.
Email. jpawlina@uidaho.edu.
Office Hours. Wednesday 11:30-01:20PM.
Website. http://www.webpages.uidaho.edu/math175/

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

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

Sample assignment: 8.7 #11 \([n = 4]\), 15 \([n = 4]\), 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 going to class. You will not easily pass this class if you do not attend lecture and ask questions.

Blackboard. I will post handouts as well as quiz and exam scores on Blackboard.

My Math Lab. Practice problems will be assigned on My Math Lab (MML), an online homework application. One cannot learn mathematics passively. If you want to succeed in this course you should do all of the practice assignments on MML. Please see the (emailed) handout about joining MML. Our course ID for MML is pawlina47647.

Written Homework. Each week I will assign a set of problems. While working on these problems you should practice writing mathematics for others. That is, you should write your solutions to these problems clearly and neatly as you would for a lab report. This will leave you with a good set of notes. You can and should talk with me during my office hours about how you present mathematics to others. I suggest not using a calculator while working on homework when possible. If you want to become proficient in calculus you should rely on tools as rarely as possible. Likewise, try to do your homework without referencing your notes. Keep in mind that you will not have access to your notes or calculators during exams. Homework which is not neat and which does not follow my guidelines (below) will lose points, possibly resulting in a 0 on the assignment. Do not turn in scratch work.

Exams. Exams will be taken in class; the only tool allowed during examination time is a pencil. You will not be allowed to use your books, notes, or calculators while taking an exam. It should go without saying that no phones or other means of communication are allowed out during exams. There will be four unit exams on the following dates: 02/04, 03/04, 04/04, and 04/26. The final will be held on Friday, 05/13, from 12:30PM to 02:30PM in our classroom, as decided by the registrar. Please refer to the class schedule (to be emailed to you) 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. Once you leave on an exam day you will not be permitted to return to the exam; keep this in mind and please use the restroom prior to arriving for an exam. On an exam day after anyone hands in the exam and leaves no one who is late will be permitted to begin the exam.
Written Homework and Exam Guidelines. Your work should be neat and easy to follow. Homework and exams not following these guidelines will lose points.

(i) Write in pencil. Do not write in pen, marker, paint, et cetera.

(ii) Write neatly and present your work sensibly. On the written homework your problems should appear in order as they are assigned. I will not hunt for specific exercises. Work your computations down (not across) as I do in class, unless they are very short.

(iii) On the written homework put your name, the date, and the assignment on the top right corner of the first page. Homework without a name will be discarded. If you use multiple pages staple them together. Use a real staple; do not fold the pages together. Multi-page assignments which are not stapled will have only the first page graded. Remove any excess paper from perforated edges.

(iv) Using Wolframalpha or any other software to complete your written homework is cheating and is very obvious. At a minimum you will not receive credit for an assignment using such software. However, checking your work with Wolframalpha is a good idea.

(v) Use proper terminology and notation. For example, the expression “$$\lim_{k \to \infty}$$” means nothing. Show all work and explain your reasoning in a neat and organized manner. If you make a mistake erase your incorrect work completely.

(vi) Answers without proper justification will receive no credit. You can reasonably do most arithmetic in your head but you should explicitly work out all of the calculus on your assessments: I cannot evaluate your ability to do calculus if you do not show me that you can do calculus.

(vii) 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 demonstrating a fundamental misunderstanding of material prerequisite for our course.)

Grades. Grades will be based on the homework, the four unit exams, and the final as follows. Your average score on MML is worth 5%. The average of the written homework assignments is worth 10%. The average on the four unit exams is 60%. The final exam is 25%. 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 earn on the final exam. (For example, if your four unit exam scores are 65/80/65/90 and you earn 82% on the final, I will treat your four unit exam scores as 82/80/65/90 instead when computing your final grade.)

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 up to 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. It takes more effort to cheat than it does to talk with me.

Disability Support Services. 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.

• DSS phone. (208) 885-6307
• DSS email. dss@uidaho.edu
• DSS website. [www.uidaho.edu/dss](http://www.uidaho.edu/dss)

Visit DSS as soon as possible regarding accommodations needed for the course. If DSS does not tell me you need special accommodations I will not grant them to you.

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 he sees fit.