

## Math 125 End of Week 1 Newsletter

Every Friday, I will email the class or post a newsletter. These newsletters and emails will contain a summary of the calendar, information about homework, links to review material and studying advice. The studying advice will include old exam problems to look at each week.

### UPCOMING SCHEDULE:

Friday:	Section 5.1/5.2 (Riemann sums and Definite Integrals)
Monday:	Section 5.3/5.4 (Fundamental Theorem of Calculus, Net Change)
Tuesday:	Homework discussion (bring lots of homework questions!)
Wednesday:	Section 5.5 (Substitution)
Thursday:	<a href="#">Fundamental Theorem of Calculus Worksheet</a>
Next Friday:	Section 6.1 (Area between Curves)

**HOMEWORK:** Closing Wednesday: Webassign Intro, 4.9, 5.1, and 5.2

**NEW POSTINGS:** See all my review materials on my [Math 125 Review Page](#).

Here are some direct links to things you might enjoy over the next week:

1. [Full Chapter 5 Review](#)
2. [5.1/5.2: Overhead Riemann Sum Summary](#) (know this process well)
3. [5.1/5.2: A full example of Riemann sums with visuals](#) (also contains an outline for how to do the last problem in the 5.1 HW):
4. [Full Derivative and Antiderivative Table](#)

**OLD EXAMS:** *It is vital that you spend some time at the end of each week reviewing the previous homework and practicing your homework skills on old exam problems.*

Here are:

[Dr. Loveless Exam 1 Archive](#)

[The Math Department Exam 1 Archive](#)

For practice using material from 4.9, 5.1, and 5.2 see:

Problem 4 from: <https://sites.math.washington.edu/~aloveles/Math125Materials/sp13m125e1.pdf>

Problem 3 from: <https://sites.math.washington.edu/~aloveles/Math125Materials/w17m125e1.pdf>

(and you can find many more practice problems in the other exams in the archives!).

### ADVICE AND GETTING HELP:

*How to get high grades in this course*

If you want to get a high grade in this course, then start by reading my [recipe for success](#).

The key is to treat every homework question like an exam problem!

Here is something I made a few years ago on [How to get help in this course](#), the main thing that needs to be added to it is that you can also use the discussion board to get help.

Let me know if any of this helps. See the next page for some advice, extra comments, supplemental material and homework hints.

***see more advice/hints on the next page...***

## ***SPECIAL NOTES AND ADVICE:***

### ***HOMEWORK HINTS:***

In most assignments this quarter, there will be a few applied or supplemental problems for you to practice, review, and apply what you know. It is smart to read these applied problems as soon as you can and make sure you ask if you have set up questions. A few particular notes:

*The last problem in 4.9:* Check out my hints on the discussion board (it is helpful to convert to feet and seconds and to have an idea about what velocity might look like).

*A few problems in 5.1 have to do with the notation of Riemann sums.* I will do an example somewhat like this on Friday in lecture, but make sure to also ask in quiz section. It is most important that you can actually compute a Riemann sum for a specific value of “ $n$ ”, but it is nice to be able to read the notation as well (and not be scared of it). One of the problems in 5.1 have to do with actually adding the sum (it is the cubic we will see in class). I post a fairly complete outline of the solution in my Riemann sum illustration review sheet, so check it out.

**Supplemental Reviews:** See the right of the course materials website for supplemental reviews on the unit circle, precalculus, exponent rules and other things you may find useful. Check it out.

Hope some of this helps. Let me know if you find something that is particularly useful or if you have input on other review materials that you might find helpful (I will add it to my list of projects for the future).

- Dr. Andy Loveless