

Algebra with Applications: Math 111 - Winter 2020

Lecturer: Dr. Andrew D. Loveless **Email:** aloveles@math.washington.edu
Office: Padelford C-339 **Web page:** www.math.washington.edu/~aloveles

Office Hours: M/W/F 11:00-11:20am at classroom & M 2-3pm, W 1:45-2:30pm in MSC(CMU B-006).

Text: *Applied Mathematics for Business (12th ed.)*, by Harshbarger/Reynolds.

Webassign: Every student must purchase an access code for Webassign in order to complete the homework. Webassign access includes an electronic copy of the text.

Other Required Materials (bring to each class):

- a clear plastic ruler
- a TI 30X IIS calculator
- packet of lecture materials (download from the course website to help in taking notes in class)

Math Study Center Information: The Math Study Center for Math 111/112 is located in Communications B-006 and is typically open Monday through Thursday afternoons. The MSC is staffed by TA's and instructors of Math 111/112 and is an ideal place to work on homework and study for exams.

Course Objectives: You will study the use of graphs, rates, and algebra as they apply to fields for business and economics. This course will prepare you for a course in the application of calculus to business and economics.

Grading: The weight for each part of the course is given below. An example is also given to show how you can determine your own grade.

Category	Weight	Put your scores here	
		Your Percentage	Your Scores
Homework (Due dates on Webassign)	15	92%	= 13.8
Quiz Section Work (Activities and Test Preps)	5	90%	= 4.5
Midterm 1 (Thur, January 30)	22	76%	= 16.72
Midterm 2 (Thur, February 27)	22	84%	= 18.48
Final Exam (Sat, March 14)	36	89%	= 32.04
Total	100		85.54

This example student would get a 85.54 out of 100 for the course which is approximately a 3.0 on my rough estimated grade scale which you can find online (read comments on gradescale page).

Various Grade Comments: The median for the class will be around 2.9. Typically, if you average above 75% on exams, then you get a grade above 2.0 which is required to move on to Math 112.

Homework: Homework will be administered by Webassign and will typically be due every Tuesday and Thursday night at 11 p.m. You will use a portion of each quiz section to ask your TA questions about the homework due that night. No extensions are given for any reason whatsoever.

Participation (Group Activities and Test Preps): A portion of most quiz sections will be dedicated to either working in groups on a problem-solving activity or practicing working old exam problems individually. The purpose of group activities is to get you to articulate your ideas and questions in small groups and have conversations about the material with your colleagues. The purpose of the individual test preparation problems is to give you the chance to practice working actual exam problems in a test-taking environment. For each group activity and test prep problem, you will receive a participation grade (0-3). Be on time, do the work, stay the duration, and you will earn 2 points for the day. Offer answers and actively participate and do the work correctly and you get 3 pts. You may miss two quiz sections without penalty to your grade. *There are no make-ups for any reason whatsoever.* Instead, don't miss any days and if you do get sick or if there is an emergency, then that can be one of your two miss days.

Exams: You will be allowed a **Ti-30x IIS Calculator (only this model)** and one 8.5 x 11 sheet (front and back) of **handwritten** notes for the exams. Other electronic devices will not be allowed. You may not share a calculator or a note sheet with another student on an exam.

Make-Ups: Again, no extensions will be granted for anyone for any reason. No exceptions. Assignments are visible 7+ days in advance of their “closing” dates and we typically cover most the material needed to complete the assignment 2-5 days in advance. You should just in your head pretend that the assignments are closing 1-2 days before it actually says, then you will never come close to needing an extension.

Make-up exams will not be given. If you miss an exam due to unavoidable, compelling and well-documented circumstances (e.g., illness, transportation emergency), you should contact me right away. In which case, your grade will be prorated, meaning your other exams and final will be weighted more heavily.

Respect Issues: Come to class on time and do not leave class early. If you have special circumstances where you need to arrive late or leave early, please contact me ahead of time and sit close to the door so that you do not distract your classmates when you enter or exit. Do not use electronic devices during class unless they are clearly for taking notes (if you are browsing on your computer it will distract those behind you, please be respectful of your classmates). If you have questions and need to email me, please include your name and quiz section and write professionally, I am your ally and I will help you do well in this course, please try to avoid being argumentative or rude, let’s work together. I really enjoy this class as I get to work with students from many different backgrounds. Please be understanding that some students in the class have a stronger math background than others so there will be times when I have to slow down and review a bit of algebra or arithmetic and other times when I’ll briefly mention an advanced topic to keep everyone interested. I appreciate those that can be patient and helpful with their classmates.

Class Philosophy: There are two vital rules for success in my classroom.

1. THE HOMEWORK IS THE KEY: In mathematics, breakthroughs in learning rarely occur while reading the text or attending lecture. Mathematics is truly learned when **YOU** completely solve a problem yourself AND understand the underlying concepts and tools so as to be able to apply them to related problems. The lectures, quiz sections, and office hours are valuable tools in guiding you towards learning and discovery, but ultimately the concepts and solutions must be absorbed, understood, and applied by you alone. Treat each problem as an exam question and ask yourself, “Can I answer this question without any help and do I understand the underlying principles that this problem conveys?” If your answer is no to either of these question (or if you hesitate at all), then you need more studying and practice.

2. ASK FOR HELP: Most students will hit a wall at some point during the course. Some can’t handle the large workload, while others find difficulty with specific concepts in the course. When these times arrive remember to ask for help. Come to your T.A., come to me, ask your classmates for help, visit the math study center and/or visit the student counseling center. If you still stumped send me an email. You are never more than a step away from getting help. These are just a few of your options. Please, please, please find help earlier rather than later. You are all smart enough to do well in this course, the question is whether or not you are determined enough. tion is whether or not you are determined enough.

Resources:

- A link to the class website can be found at: <http://www.math.washington.edu/~aloveles/>
- The Center for Learning and Undergraduate Enrichment (CLUE) holds drop-in tutoring sessions every week-day evening in Mary Gates Hall Commons. See <http://depts.washington.edu/clue/> for more details.
- The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation contact the Disability Services Office at least ten days in advance at: 206-543-6450/V, 206-543-6452/TTY, 206-685-7264(FAX), or dso@u.washington.edu.
- The Student Counseling Center provides academic skills workshop on a variety of topics including stress management test anxiety and time management to help you succeed at the University of Washington. <http://depts.washington.edu/scc/studyskills.html> .