

- More on Area and Volume (chapter 11): areas of triangles, parallelograms, circles, volumes of prisms, cylinders, pyramids, cones

The course focuses on helping you understand deeply the geometry you will be teaching in elementary school, and a bit beyond.

Class work

Much of the class time will be spent discussing, as a class, how to solve various problems, or how to understand basic mathematical ideas. You will need to listen carefully to what other students are saying and think about whether you agree or disagree with them. You will also have opportunities to talk about problems with your neighbors, and present your ideas to the class. You are encouraged to share your thoughts freely with the class, and **nothing you say in class will ever negatively affect your grade**. You will do better overall if you are engaged and interacting with the class, even when you don't fully understand.

Because the interactive work in class is an important part of learning and being able to explain math, **class attendance is compulsory**. In the event of illness or emergency, please contact me as soon as possible. I will be keeping track of attendance and students with regular unexcused absences will be dropped from the class.

Homework

There will be written assignments due twice a week at *the beginning* of class. **All assignments must be typed**. Pictures and diagrams may be drawn by hand, but other than that, handwritten homework will not be accepted. Most assignments will be fairly short, but we expect them to be written carefully, making sure to use correct and precise language to express your ideas. Your work will be graded according to the following criteria:

- The work should be factually correct, or nearly so, with only minor, inconsequential flaws.
- The work should address the specific question or problems that was posed. It should be focused, detailed and precise. Key points should be emphasized. There should be no irrelevant or distracting points.
- The work should be clear, convincing and logical. It should "make sense" and be appropriate for explaining the problem to a fellow student.
- Clear, complete sentences should be used. Mathematical terms and symbols should be used correctly.

In particular, you should **always explain your answers** unless there are explicit instructions not to.

You are encouraged to form study groups and to work on homework assignments with your classmates. Of course, you should always adhere to UGA's Academic Honesty Policy. You must always write up homework on your own, and in your own words. Collaboration is allowed in order to help you learn. Copying someone else's ideas (even putting them in your own words) does not help you learn and will not help you do well on the tests and final exam.

Late homework will not be accepted. If you have a valid excuse, you should let me know as soon as possible, and we will excuse you from up to 3 assignments in this case.

Reading

You will usually have a reading assignment due at the same time as each homework. These are important and you are expected to read the assigned material carefully. It will usually help you with the homework. There will also often be “do, but don’t hand in” assignments that are meant to give you extra practice. It’s a good idea to discuss these with your study group.

Tests and quizzes

There will be three mid-term tests (each lasting for a whole class) and several short quizzes (of about 10-15 minutes). These will test you on the reading and homework assignments (including the “do, but don’t hand in” problems). There will be a comprehensive final exam (3 hours long) during the final exam period. Make-up tests and quizzes will only be given if you have a valid excuse.

Special Aid

Students with disabilities or other special needs who require classroom accommodations or other arrangements must make this known to me as soon as possible at the beginning of the semester, and be registered with the Disability Resource Center. You should have a letter from them detailing any extra time on tests, or other additional assistance you are entitled to.

Grading

All of your work will be graded on a scale out of 10 points as follows:

- 10 points: correct work that is careful and thorough
- 8 points: good, solid work that is largely correct
- 6 points: work that has merit but also has significant shortcomings
- 4 points: work that shows effort but is seriously flawed
- 0 points: no work submitted, or no serious effort shown

Your final grade for the class will be given by weighting your grades on the homework and exams as follows:

- tests: 36% (3 tests, each worth 12%)
- quizzes: 9% total
- homework: 20%
- final exam: 35%

Letter grades will be assigned *approximately* according to the following system:

- A: above 9.3
- A-: 9.0–9.3
- B+: 8.7–9.0
- B: 8.3–8.7
- B-: 8.0–8.3

- C+: 7.7–8.0
- C: 7.3–7.7
- C-: 7.0–7.3
- D: 5.0–7.0
- F: below 5.0

Support

There are many sources of help and support if you are having difficulty with the class, material or anything else. These include:

- your fellow students (I highly recommend that you form study groups for this class and discuss the work regularly with each other, this is a great way to learn. If you don't know any of the other students in the class, or can't find study partners, please let me know and I'll try to help);
- come to my office hours (times to be announced);
- send me an email (you are always welcome to email me about any aspect of the class, and I will try to help as much as I can). In particular, if you would like to set up an appointment to meet outside of my office hours, just let me know;
- independent tutoring: the Math Department maintains a list of tutors in case you would like to have some regular one-on-one tutoring for the class, this page can be found at:

http://www.math.uga.edu/undergraduate/student_services.html

There are also links there to drop-in tutoring that might be helpful.

Please do not feel shy about asking for help, or just checking that you understand something correctly.

Math 7002 students

Students taking the graduate-level class Math 7002 will have some additional homework exercises. I will give you details of these during the semester.

Academic Honest Policy

As a University of Georgia student, you have agreed to abide by the University's academic honest policy, "A Culture of Honest," and the Student Honor Code. All academic work must meet the standards described in "A Culture of Honesty" found at: www.uga.edu/honesty. Lack of knowledge of the academic honest policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honest policy should be directed to the instructor.

The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.