

**Office hours:** I will be available in my office (206F NH) MWF: 10:00-11:30. Please make an appointment if you wish to meet with me at another time. When you are stuck, my office hours are a really good place to be. I expect to see lots of geometry students in my office hours. My office phone # is 715-245-3119.

**Web Site:** My website is <http://langfordmath.com>. Much useful information and my planned schedule is posted there, including homework assignments. I will be posting your scores on D2L. **Please check your grades every 2-3 weeks to make sure I have all of your scores recorded.**

**Course goals:**

- Learn how to come up with and explain a proof
- Prove things about geometry
- Prove things using axioms, definitions and theorems
- Know some examples of geometries that fit various axioms and axiom systems
- Recognize when a proposed geometry proof is correct and when it has errors

**On-going work:** Your task throughout this class is to take axioms and definitions and theorems and use them to deduce and prove new things.

**Proving stuff:** Writing and presenting things that you've done is a skill. The only way you learn a skill is by practicing it. Approximately once every two weeks, you will need to present a proof. You should be presenting something that you have figured out, and be explaining your reasoning. You can present proofs in class, or you can present proofs to just me during my office hours. Presenting proofs is worth 20% of your grade.

**Homework:** There will be some other homework assigned, including written proofs. Written proofs and homework go in the same category and are worth 15% of your grade.

**Tests:** The other 65% of your grade will consist of your scores on quizzes and tests. There will probably be 2 tests during the semester, and a comprehensive final exam.

Your grade will be based primarily on your weighted average (mean). Letter grades will be at least as high as those determined from your weighted average by:

A: 93-100%	A-: 90-92%	B+: 87-89%	B: 83-86%	B-: 80-82%
C+: 77-79%	C: 73-76%	C-: 70-72%	D+: 67-69%	D: 60-66%

**Education majors:** Appendix c: how this class addresses the Wisconsin standards for preparation of math teachers is available at

<http://www.uwrf.edu/MATH/WisconsinContentTeacherStandardsMathematicsCourses.cfm>

**Students with disabilities:** UW-RF welcomes students with disabilities into the University's educational programs and activities. Students with disability-related needs for reasonable accommodations should contact the Disability Services Office, 102 Davee Library or call 715-425-3531. Before final decisions can be made about allowing accommodation, students must provide sufficient documentation; see <http://www.uwrf.edu/AcademicSuccess/> for further details