

**Office hours:** I will be available in my office (206F NH) MWF: 9:00-9:50 R: 11:00-12:30. Please make an appointment if you wish to meet with me at another time. My office phone # is 245-3119.

**Web Site:** My website is <http://langfordmath.com>. Much useful information and my planned schedule is posted there. 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. I will periodically ask to see the notes you've made as you work. 10% of your grade will come from the evidence you provide that you've been working on and thinking about Geometry every night.

**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 each week (with the exception of test weeks), you'll turn in a written proof, and 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 on Mondays or Wednesdays, and you can do that at 11:00 or at 2:00. You can present proofs to just me during my office hours. Presenting proofs is worth 20%.

**Homework:** There will be some other homework assigned. Written proofs and homework go in the same category and are worth 10% of your grade.

**Tests:** The other 60% 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://www2.uwrf.edu/mcs/AppendC&D/AppendixC&D.php>

**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/academic-success/> for further details