



Geometry

MTG 3212 – 8789
Spring 2016

Time: MWF period 5
Place: Little 125
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Office: 438 Little Hall
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Textbook: Foundations of Geometry by G. A. Venema

Office Hours: Monday, Wednesday, Friday period 6
(or by appointment)

Links

[homework](#)
[topics](#)
[messages](#)
[grades](#)
[cell phone policy](#)



Homework

An extra square in the lower triangle?
Page 45 #3,7,8 Page 51 #1 (due Wed 20 Jan)

Page 77 #1,2,4 Page 81 #8,9

Topics

Euclidean plain geometry
 The structure and history of Euclid's Elements
 Models
 Axioms for plane geometry
 Neutral geometry
 Euclidean geometry vs Non-Euclidean geometry
 Theorems of Euclidean geometry
 triangles, polygons
 area
 circles
 constructions
3-dimensional geometry
 Polyhedra
Transformations
Affine and Projective Geometry

Messages

Welcome to geometry!

Free tutoring at the Teaching Center, SW Broward Hall. Check www.teachingcenter.ufl.edu for the time schedule.

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

The course will be conducted in accordance with the University honor code, [academic honesty policy](#), and policy regarding the use of copyrighted material. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

Information on current UF grading policies for assigning grade points may be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

Grades

three exams 30%
homework 10%

