

Syllabus for Math 306, Summer 2015

Geometry

MoTuTh 6:00-8:05PM; Public Policy Building, Room 203

3 Credit Hours

Instructor:	Osman Guler, Professor of Mathematics		
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Emergency Number:	(410) 455-2412	(410) 455-2412	(Departmental Staff)
Office Hours:	MoTuTh 5:15-5:45pm; and by appointment		
Prerequisites:	Math 301 with a grade of C or better		
Textbook:	Axiomatic Geometry, by John M. Lee, American Mathematical Society, 2013.		

Course Contents

The course will cover Chapters 1-7, Chapter 8 (skipping nonconvex polygons), Chapters 9 (quickly), Chapter 10, Chapters 17-19. We may possibly cover Chapter 14 instead of some material from Chapters 17-19.

Course Description/Objectives

This course treats the foundations of Euclidean and non-Euclidean geometry using an axiomatic approach. The subject is treated from a modern point of view and with full rigor.

Grading

Grade Policy

Letter grades in this course will be based on week homework assignments, a midterm, and a comprehensive final exam. They will have the following weights:

Homework:	35%	
Midterm:	30%	<i>around June 15 (Monday)</i>
Comprehensive Final Exam:	35%	July 2, Thursday, 6-8PM? in Public Policy Building, Room 203.

Letter grades for the course will be based on your total score (**S**) which is the weighted sum of scores of the tests and the comprehensive final exam:

A	$80 < S \leq 100$;	B	$70 < S \leq 80$;	C	$60 < S \leq 70$;
D	$50 < S \leq 60$;	F	$0 \leq S \leq 50$		

You are guaranteed the corresponding grade if your score falls in the above ranges. However, the grading system may be changed for the entire class or in individual cases at the discretion of the instructor. In particular, *class attendance and participation* will be taken into account if your grade falls on the borderline between two grades. Also, a *strong showing in the final exam will be rewarded*.

Academic Misconduct

- I will not tolerate cheating in any form. All instances of cheating I discover will be reported to UMBC's academic integrity committee. (See the link for [Academic Integrity at UMBC](#) for more information.
- In particular, in this course, giving or receiving aid on exams will result in a grade of zero for that exam. Copying of homework solutions from other students in the class, from students who have previously taken this or an equivalent course, from a solutions manual, or from the web will be treated as a serious offense. At a minimum this will result in a grade of zero for that homework. For flagrant cheating on homework I reserve the right to give a grade of zero for the homework on which the student was found to have cheated as well as on all homeworks that were turned in prior to the discovery of the offense. Also see comments below in the subsection on Homework.
- Here is a summary of UMBC's official policy on academic misconduct, which I follow closely:

"By enrolling in this course, each student assumes the responsibilities of an active participant in UMBC's scholarly community in which everyone's academic work and behavior are held to the highest standards of honesty. Cheating, fabrication, plagiarism, and helping others to commit these acts are all forms of academic dishonesty, and they are wrong. Academic misconduct could result in disciplinary action that may include, but is not limited to, suspension or dismissal. To read the full Student Academic Conduct Policy, consult the UMBC Student Handbook, the Faculty Handbook, or the UMBC Policies section of the UMBC Directory."