

Ohio University Fall 2008 Math 330A Section A01 Course Information

Instructor: Mark Barsamian **e-mail:** Mark.Barsamian.1@ohio.edu

Office: Morton Hall Room 538 **Office phone:** (740) 593-1273

Office Hours: Monday - Thursday 9:10am-10:00am

Course Description: We will begin with an introduction to axiom systems and axiomatic geometry. Then we will consider Euclidean geometry from an axiomatic viewpoint.

Prerequisites: Math 306

Text: Euclidean and Transformational Geometry, by Shlomo Libeskind
Jones and Bartlett Publishers, 2008
ISBN-13: 978-0-7637-4366-6
ISBN-10: 0-7637-4366-6

Calculators: Calculators are not relevant to the course and will not be allowed on exams.

Computers: Our class meets in a computer lab. Throughout the course, you will explore computer programs that are useful for making geometric drawings and animations. We will mainly use GeoGebra, but may also use Geometer's Sketchpad, NonEuclid, Spherical Easel, and Microsoft Word.

Course Web Page: <http://www.math.ohiou.edu/~barsamian/2008f330A/2008f330A.html>

Course Blackboard Site: <https://blackboard.ohiou.edu/>

Special Needs: If you have physical, psychiatric, or learning disabilities that require accommodations, please let me know as soon as possible so that your needs may be appropriately met.

Grading:

You will accumulate points as shown in the table at right.

Written Homework (7 assignments, 25 points each):	175	points
Midterm Exam #1:	200	points
Midterm Exam #2:	200	points
Midterm Exam #3:	200	points
Final Exam:	225	points
Total Points Possible for the Quarter:	1000	points

Your course letter grade will be computed from your total score using the percentage scale shown in this table.

Total Score	Percentage	Grade	Interpretation
900 - 1000	90% - 100%	A	You mastered all concepts, with no significant gaps
850 - 899	85% - 89.9%	A-	
800 - 849	80% - 84.9%	B+	You mastered all essential concepts and many advanced concepts, but have some significant gaps.
750 - 799	75% - 79.9%	B	
700 - 749	70% - 74.9%	B-	
650 - 699	65% - 69.9%	C+	You mastered most essential concepts and some advanced concepts, but have many significant gaps.
600 - 649	60% - 64.9%	C	
550 - 599	55% - 59.9%	C-	
400 - 549	40% - 54.9%	D	You mastered some essential concepts.
0 - 399	0% - 39.9%	F	You did not master essential concepts.

Homework: One learns math primarily by trying to solve problems. For that reason, homework plays a central role in this course. Homework assignments are found on the course web page.

Attendance: Attendance is mandatory and is recorded, but it is not part of your grade. However, data from previous quarters shows that there is a very strong correlation between attendance and performance in this course. If you do miss a class, it is your responsibility to copy a classmate's notes and study them. I will not use my office hours to teach topics that were discussed in class to students who were not in class.

Fall 2008 Math 330A Section A01 Syllabus and Tentative Schedule

Date	Class topics	Homework/Exam
Mon Sep 8	Introduction, Diagnostic Test, Chapter 0 Prologue	
Tue Sep 9	Chapter 0 Prologue	
Wed Sep 10	Chapter 0 Prologue	
Thu Sep 11	Introduction to Axiom Systems	Homework 1 Due
Mon Sep 15	Appendix A.1 Notations for Points, Lines, and Planes	
Tue Sep 16	Appendix A.2 Coordinate System and Distance	
Wed Sep 17	Appendix A.3 Angle Measurement	
Thu Sep 18	Exam 1 Covering Chapter 0, Appendix A	
Mon Sep 22		last day to drop without a W
Tue Sep 23		
Wed Sep 24		
Thu Sep 25		Homework 2 Due
Mon Sep 29		
Tue Sep 30		
Wed Oct 1		
Thu Oct 2		Homework 3 Due
Mon Oct 6		
Tue Oct 7		
Wed Oct 8	Exam 2 Covering Chapter 1	
Thu Oct 9		
Mon Oct 13		last day to drop
Tue Oct 14		
Wed Oct 15		
Thu Oct 16		Homework 4 due
Mon Oct 20		
Tue Oct 21		
Wed Oct 22		
Thu Oct 23		Homework 5 due
Mon Oct 27		
Tue Oct 28		
Wed Oct 29	Exam 3 Covering Chapter 2	
Thu Oct 30		
Mon Nov 3		
Tue Nov 4		
Wed Nov 5		
Thu Nov 6		Homework 6 due
Mon Nov 10		
Tue Nov 11	Holiday: no class	
Wed Nov 12		
Thu Nov 13		Homework 7 Due
Tue Nov 18	Cumulative Final Exam 8:00am – 10:00am in Morton 314	