

Ohio University Spring 2008 Math 330A Section A01 Course Information

Instructor: Mark Barsamian

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Office Hours: Monday 10:10am-11:00am

Tuesday 10:10am-11:00am

Wednesday 9:10am-12:00pm

Thursday 10:10am-11:00am

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

Prerequisites: Math 306

Text: The text for the course is a packet that will be purchased at a copy center location to be announced.

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

Computer Labs: There will be five Friday Computer Labs. In the lab, you will explore a few programs that are useful for making geometric drawings and animations. These programs include Geometer's sketchpad, Non-Euclid, and Spherical Easel.

Course Web Page: <http://www.math.ohiou.edu/~barsamian/2008s330A/2008s330A.html>

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

Grading: You will accumulate points as shown in this table:

Written Homework (8 assignments, 25 points each):	200	points
Computer Projects (5 assignments, 10 points each):	50	points
Exams (2 exams, 250 points each):	500	points
Final Exam:	250	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	
400 - 599	40% - 59.9%	D	You mastered some essential concepts.
0 - 399	0% - 39.9%	F	You did not master essential concepts.

Attendance: Attendance is mandatory, but is not part of your grade. If you miss a class, it is your responsibility to copy a classmate's notes and study them.

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.

Spring 2008 Math 330A Section A01 Syllabus and Tentative Schedule

Date	Class topics	Homework/Exam
Mon Mar 31	Chapter 1: Relations	
Tue Apr 1	Chapter 1: Relations	
Thu Apr 3	Chapter 1: Relations	
Fri Apr 4	Chapter 2: Axiom Systems	Homework 1 Due
Mon Apr 7	Chapter 2: Axiom Systems	
Tue Apr 8	Chapter 2: Axiom Systems	
Thu Apr 10	Chapter 2: Axiom Systems	
Fri Apr 11	Chapter 3: Axiomatic Geometry	Homework 2 Due
Mon Apr 14	Chapter 3: Axiomatic Geometry	
Tue Apr 15	Chapter 3: Axiomatic Geometry	
Thu Apr 17	Chapter 3: Axiomatic Geometry	
Fri Apr 18	Chapter 3: Axiomatic Geometry	
Mon Apr 21	Exam 1	
Tue Apr 22	Chapter 4: Infinite Incidence Geometries	
Thu Apr 24	Chapter 4: Infinite Incidence Geometries	
Fri Apr 25	Computer Project 1	Homework 3 Due
Mon Apr 28	Chapter 5: Incidence and Betweenness Geometry	
Tue Apr 29	Chapter 5: Incidence and Betweenness Geometry	
Thu May 1	Chapter 5: Incidence and Betweenness Geometry	
Fri May 2	Computer Project 2	Homework 4 Due
Mon May 5	Chapter 6: Neutral Geometry I	
Tue May 6	Chapter 6: Neutral Geometry I	
Thu May 8	Chapter 6: Neutral Geometry I	
Fri May 9	Computer Project 3	Homework 5 Due
Mon May 12	Chapter 7: Neutral Geometry II	
Tue May 13	Chapter 7: Neutral Geometry II	
Thu May 15	Chapter 7: Neutral Geometry II	
Fri May 16	Computer Project 4	Homework 6 Due
Mon May 19	Chapter 8: Neutral Geometry III, measuring length and angles	
Tue May 20	Chapter 8: Neutral Geometry III, measuring length and angles	
Thu May 22	Review	
Fri May 23	Exam 2	
Mon May 26	Holiday: No Class	
Tue May 27	Chapter 9: Building Euclidean Geometry from Neutral Geometry	
Thu May 29	Chapter 9: Building Euclidean Geometry from Neutral Geometry	
Fri May 30	Computer Project 5	Homework 7 Due
Mon Jun 2	Chapter 10: Euclidean Geometry I	
Tue Jun 3	Chapter 10: Euclidean Geometry I	
Thu Jun 5	Chapter 10: Euclidean Geometry I	
Fri Jun 6	Chapter 10: Euclidean Geometry I	Homework 8 Due
Wed Jun 11	Math 330A final 10:10am	