

Ohio University Spring 2007 Math 330A Section A02 Course Information (Version posted April 4)

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Office Hours: See my web page for my current office hours

Course Description: We will begin with an introduction to axiomatic mathematics via finite geometries. Then we will consider plane Euclidean and Hyperbolic geometries from an axiomatic viewpoint. **Prerequisites:** Math 306.

Online Resources:

- Instructor Web page: <http://www.math.ohiou.edu/~barsamian>
- Course Web page: <http://www.math.ohiou.edu/~barsamian/2007s330A/2007s330A.html>
- Blackboard site: Used for posting reading material, assignments, solutions, and grades.
- Mathematical drawing software: Geometer's sketchpad, Non-Euclid, and Spherical Easel

Grading: You will accumulate points as follows.

Homework Assignments (7 at 20 points each):	140 points
Attendance (40 days, 1 point each):	40 points
Midterm Exams (3 exams, 170 points each):	510 points
Final Exam:	310 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 below. There will be no curve. An estimate of your current grade will be available on the Blackboard site each week.

Total Score	Percentage Score	Letter 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-	You mastered some essential concepts
400 - 549	40% - 54.9%	D	
0 - 399	0% - 39.9%	F	

Homework: You may work together on homework, but the words that you write should be your own. Late homework is not accepted.

Attendance: is taken every day at 10:05.

Spring 2007 Math 330A Section A02 Syllabus

Date	Class topics	Homework Due
Mon 26 Mar	relations	
Tue 27 Mar	relations	
Wed 28 Mar	axiom systems	
Thu 29 Mar	axiom systems	
Mon 2 Apr	axiom systems	H1: Chapter 1 Problems
Tue 3 Apr	axiom systems	
Wed 4 Apr	finite geometries	
Thu 5 Apr	finite geometries	
Mon 9 Apr	finite geometries	H2: Chapter 2 Problems
Tue 10 Apr	incidence geometries	
Wed 11 Apr	incidence geometries	
Thu 12 Apr	incidence geometries	
Mon 16 Apr	Exam #1 (Relations, Axiom Systems, Finite Geometries, Incidence Geometries)	
Tue 17 Apr	Absolute Geometry	
Wed 18 Apr	Absolute Geometry	
Thu 19 Apr	Absolute Geometry	
Mon 23 Apr	Absolute Geometry	H3
Tue 24 Apr	Absolute Geometry	
Wed 25 Apr	Absolute Geometry	
Thu 26 Apr	Exam #2 (Absolute Geometry)	
Mon 30 Apr	Euclidean Geometry	
Tue 1 May	Euclidean Geometry	
Wed 2 May	Euclidean Geometry	
Thu 3 May	Euclidean Geometry	H4
Mon 7 May	Euclidean Geometry	
Tue 8 May	Euclidean Geometry	
Wed 9 May	Euclidean Geometry	
Thu 10 May	Euclidean Geometry	H5
Mon 14 May	Euclidean Geometry	
Tue 15 May	Euclidean Geometry	
Wed 16 May	Euclidean Geometry	
Thu 17 May	Exam #3 (Euclidean Geometry)	
Mon 21 May	Hyperbolic Geometry	
Tue 22 May	Hyperbolic Geometry	
Wed 23 May	Hyperbolic Geometry	
Thu 24 May	Hyperbolic Geometry	H6
Mon 28 May	Holiday: No class	
Tue 29 May	Hyperbolic Geometry	
Wed 30 May	Hyperbolic Geometry	
Thu 31 May	Hyperbolic Geometry	H7
Wed Jun 6	Cumulative 330A Final Exam 8:00am – 10:00am in Morton 222	