

Math 330B Foundations of Geometry Section 01

Ohio University, Spring Quarter 2006

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Office Hours: 8:00-9:00am Mon, Tues, Wed, Thurs (by appointment only)
2:10-3:00pm Mon, Tues, Wed, Thurs (no appointment necessary)

Course Description: A continuation of the introduction to axiomatic geometry that began in Math 330A. We will begin with a unit on triangles. Then, for a few weeks after that, we will leave axiomatic geometry and study maps of the Cartesian plane, including some discussion of linear transformations and their representation in matrices. But the real motivation for this diversion is to develop a facility with the terminology of isometries in order to return to axiomatic geometry and study the distance and ruler postulates. From there, the course has not yet been charted. Possibilities include a unit on circles and a unit on symmetry groups.

Prerequisites: Math 330A.

Text: We won't be using a textbook, but I will hand out weekly reading material. That reading material, and all other documents handed out during the quarter, will also be available online.

Online Resources:

- course web page: <http://www.math.ohiou.edu/~barsamian/2006s330B/2006s330B.html>
- course *Blackboard* site: Used for posting handouts and grades. The gradebook will be updated weekly.

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

Grading:

Homework (best 5 of 7 homeworks, 20 points each):	100 points
Midterm Exams (3 exams, 200 points each):	600 points
Final Exam:	300 points
Total Points Possible for the Quarter:	1000 points

There will be no curve. The table below shows the scale that is used for all grading, along with the actual point values to which it corresponds. Current grades will be available on the *Blackboard* site throughout the quarter.

Letter	Percent	Homework	Midterm	Final Exam	Course Total
A	90% - 100%	18,19,20	180 - 200	270 - 300	900 - 1000
A-	85% - 89%	17	170 - 179	255 - 269	850 - 899
B+	80% - 84%	16	160 - 169	240 - 254	800 - 849
B	75% - 79%	15	150 - 159	225 - 239	750 - 799
B -	70% - 74%	14	140 - 149	210 - 224	700 - 749
C+	65% - 69%	13	130 - 139	195 - 209	650 - 699
C	60% - 64%	12	120 - 129	180 - 194	600 - 649
C -	55% - 59%	11	110 - 119	165 - 179	550 - 599
D	40% - 54%	8,9,10	80 - 109	120 - 164	400 - 549
F	0% - 39%	0-7	0 - 79	0 - 119	0 - 399