

Math 330B (Sec # 04063) Foundations of Geometry

Instructor: Dr. J. Connor

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Office Hours: 1:10 - 2:00 MTTh; 10:10 - 11:00 W or by appointment.

Description: This is the second quarter of a two-quarter geometry sequence which develops geometry from an axiomatic standpoint. The topics covered this quarter include an axiomatic and analytic approach to transformational geometry, the ruler postulate and properties of circles. Software programs and manipulatives will be used to develop these topics.

Prerequisites: Math 330A

Required Textbooks and Materials: Handouts and readings will be distributed via the web at the Blackboard 5 site for this course. Project and progress reports can either be turned via hard-copy or using the web-based worksheets.

Much of the material - including homework assignments, solution sheets, and so on, for the course can be found at its 'blackboard 5' site; to get to this site go to <http://www.citl.ohiou.edu>, enter the site and find the 'Blackboard 5 Portal'. Use your OAK ID and password to log on.

Pay a fee of \$5 to the Registrar at Chubb Hall for a computer disk and computer printing privileges for the lab in Morton 314. [required]

Evaluation and Grading: The grade for the course will be based on a wide variety of activities. There will be a series of group 'progress reports' which will develop the topics developed in the course. Journal entries will be collected

approximately once every three weeks and homework will be collected approximately once every three weeks (2 or 3 assignments). There will also be two in-class exams and a final exam.

Activity	Weight
Journals	5 %
Final Reports	15 %
Progress Reports	30 %
Homework	10 %
Exams (2)	25 %
Final Exam	15 %

Homework, progress reports and final reports should be turned in by the end of the class period on the date they are due. The instructor reserves the right to determine whether or not to accept work after the due date and a penalty may be assessed for late assignments.

The tentative dates for the exams are *Wednesday, April 28* and *Wednesday, June 2*; any changes will be announced at least one week prior to the exam. The date for the final exam is *Wednesday, June 9 at 8:00 a.m.* All students are expected to take the exams on the dates announced in class.

Students earning 93% or more of all possible points will receive at least an A, 83% or more of all possible points will receive at least a B, 73% or more at least a C, 63% or more at least a D and less than 60% will receive an F.

Attendance: Attendance for the course is mandatory. Students with five or more unexcused absences will receive an F for the course; missing a lab counts as two absences.

Cheating: The academic dishonesty policy described in the Ohio University Student Code of Conduct will be adhered to in this course.