

## Math 411: Advanced Euclidean Geometry

Assignments are at:

<http://www2.math.uic.edu/jbaldwin/mtht411/index>

### Contact Information

Office hours on T: 10:30-11:30 or Th at 4-5, after class if desired or by appointment in 327 SEO. (Subject to change)

Feel free to e-mail me at [jbaldwin@uic.edu](mailto:jbaldwin@uic.edu) or phone to make an appointment to discuss any difficulties that arise.

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### Unit 1

In the first two weeks we will study Chapter 6 and 7.1-7.24, pages 121-151.

#### Due Thursday Jan 17

Compare the statements of Axioms I, II, III in the handout with the formulation in the text. Be prepared to explain to the class why they are the same.

Turn in at least one specific written question to me asking about something you don't understand in pages 121 to 132.

#### Due Tuesday Jan 22

Do 6.6.2, 6.6.3, 6.6.4, 6.17, 6.35.1

How do you express, 'the point  $C$  is between the points  $A$  and  $B$ ' in the formalism of the text? (We will next Axiom 4 to be sure we have this right.)

#### Due Thursday Jan 24

Nothing so far.

#### Due Tuesday Jan 29

Do 6.51, 6.55, 7.4, 7.15, 7.17, 7.18