

Math 411: Advanced Euclidean Geometry

Contact Information

Office hours on T: 4-5 or Th at 3-5, after class if desired or by appointment in 327 SEO. (Subject to change)

Feel free to e-mail me at jbaldwin@uic.edu or phone to make an appointment to discuss any difficulties that arise.

Office: 327 SEO. Office phone: 312-413-2149 e-mail: jbaldwin@uic.edu

Unit 5: Congruence

I am doing chapter's 10 and 11 in a different order than the text and asking you to do more independent work.

Due Tuesday March 11

1. Do problems 11.13, 4-6 of 11.21, (-of course you'll have to do the first three but I think you'll find them easy enough that nothing is gained by writing it down.), 12.14 and 12.28

Due Thursday March 13

2. Prepare a lesson plan to present the book's proof of Theorem 12.48 (ASA) in class. You may assume anything through Chapter 11. But from Chapter 12, select those definitions/theorems that you need to use and provide proofs that you would use in class (for our class) of any theorem that I did not present in class. You should, for example, explain in words the 'half-plane as protractor theorem and provide a proof in your own words. (I expect this will be a 3 or 4 page assignment.) What does your own words mean? Well, for example, I don't like the notation \vec{a}^1 and usually label the ray by two points. I am not saying you have to do that but you should find notations that are meaningful to you, not just copy the book.