## MATH 4403: Geometry

Fall 2012
Instructor: Benny Evans, MS 425, phone x5789, office hours 9:30 to 10:30 MWF. Other times by appointment. Actually I am available lots of times. If you just drop by the office, I will help you unless I have something else scheduled that I can't get out of. Just be aware that if you come by without an appointment, I may not be there.

Text: Foundations of Geometry, Venema
Homework: You will get lots of homework. Start on it right away. I will collect it each Friday and grade the parts of it I decide to grade. I am available for help.

Exams: There will be two hour exams and a comprehensive final. Missed exams can be made up only if arrangements are made with me prior to the regularly scheduled exam.

Grades: Grades will be calculated on a 90-80-70-60 scale. Points available are as follows.

| Hour exams | 200 points |
| :--- | :--- |
| Final | 150 points |
| Homework | 200 points |
| Total points | 550 |

Advice: We do only proofs in here - no calculations at all. A proof is a clear explanation of why a proposition is true. Your knowing why it is true is not good enough. You must explain it to the reader in a clear and logical fashion. We will be pretty picky about how proofs are written. Math 3613 is strongly recommended as a pre-requisite for this course. If you have not made a $C$ or better in that course, drop this course and enroll in 3613 instead.
Do not under any circumstances get behind. If you aren't able to come to class regularly it probably would be better if you find a class that you like better because we will cover lots of stuff in class that is not in the book. Don't be shy. If you need help please come see me on the day it happens. I have done this before, and I know I can help you if I am aware that you are having trouble. If I don't know, it is certain that I cannot help.
Do all the homework. It is good to study in groups. Just be sure you are an active participant and write your own proofs.
O.K. Enough of the threatening stuff. Keep up with us, and you will see some really fun stuff. For example, you probably think the angle sum of a triangle is 180 degrees. And you probably think you see rectangles every day. Well- we shall see.

