

Texts: *The Four Pillars of Geometry*, John Stillwell, Springer 2005

Instructor: Dr. Marc Renault

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Office Hours:

Mon 10:00 – 11:00

Tue 2:00 – 3:00

Wed 10:00 – 11:00

Fri 10:00 – 11:00, 2:00 – 3:00

Other times gladly by appointment

Course Description:

Throughout this semester we will study geometry from four different points of view.

1. Euclidean Geometry (chapters 1 and 2)
2. Linear Algebra (chapters 3 and 4)
3. Projective Geometry (chapters 5 and 6)
4. Other geometries (chapters 7 and 8)

Assignments:

1. **Homework** – will be assigned most days. I typically grade each homework problem out of 4 points. Other assignments/quizzes may be given and
2. **Four In-Class Tests** – Sep. 21, Oct. 14, Nov. 9, and Dec. 9. If you know you will miss a test, you must let me know at least 24 hours before the test time. Missed tests will receive a grade of 0 unless prior notification is given.
3. **Final Exam** - A comprehensive final exam will be given during final exam week. As extra incentive to do well on the final exam, I do the following: *if your final exam grade is better than your lowest test grade, I will replace your lowest test grade with your final exam grade.*

Extra Credit:

- Attend a department “Thursday Seminar” and submit a paragraph about it. 4 HW points
- Submit a solution to the “Problem of the Week” and give me a copy of your solution. 4 HW points
- NOTE: There is no limit to the number of extra credit points you can receive, BUT I will cap your homework grade at a maximum of 105%.

Grading: Your grade for the course will be calculated as the average of your grades on the six assessments: your homework grade, 4 test grades, and final exam grade.

Grade	A	A-	B+	B	B-	C+	C	D	F
Starts	93.3	90	86.7	83.3	80	76.7	70	60	0

Using cell phones during class is extremely rude. When I see texting, it makes me want to cry.

Accommodations for Learning Disabled Students. Students who have registered with the Office of Disability and desire instructional accommodations should notify me.