

MATH 36000 C
INTRODUCTION TO MODERN GEOMETRY
SPRING 2020

MATTHEW AUTH, LECTURER OF MATHEMATICS

GENERAL INFORMATION

A daily topic list can be found on my website http://math.sci.ccny.cuny.edu/people?name=Matthew_Auth.

OFFICE HOURS

Office hours will be held 12:15–1pm, 7:45–8:15 Tuesdays and Thursdays in my office, NAC 6/288, or by appointment.

REQUIRED TEXTS

- "Kiselev's Geometry, Book 1 Planimetry" by A. P. Kiselev, Sumizdat 2006, ISBN-13: 978-0977985203. (The first 33 pages of the book can be downloaded for free at <http://www.sumizdat.org/>)
- "Elementary Differential Geometry" by Andrew Pressley, 2nd Edition, Springer Undergraduate Mathematics Series, 2010, ISBN-13: 978-184882890X. (You can freely (without paying) download this book from the ccny library webpage.)

HOMEWORK

There will be weekly homework assignments on posted the schedule page of our course website. Working on the hw assignments, even if you do not finish each problem, is the most effective way to learn the material. You are encouraged to work on the assignments in groups but you should always write up your own solutions to hand in. When you get stuck, do not wait get help. Please drop by during my office hours. Many students wait too long to get help.

There will be a short quiz on Tuesdays covering the previous week's hw topics. (There will be no quiz on Tuesdays on weeks when we have an exam.)

READINGS

Read each section for which there are assigned hw problems. This is a very important part of the course. Reading the sections can be difficult. Sometimes it takes two or three times to start to get it. This is normal in a subject like geometry.

Have a pen and paper next to you when you are reading. Try working through some of the examples in the section yourself before looking at the solution. Write down vocabulary words so that you will learn the terminology.

Date: January 28, 2020.

EXAM DATES

In class exams will be for one hour. The exam questions will be similar to the hw questions. I will count your lowest in-class exam score half as much as your other two when computing final grades so that one poor exam score does not pull your course grade down too much.

- In Class Exam 1: Thursday 19 March during class
- In Class Exam 2: Thursday 7 May during class
- Final Exam: Thursday 21 May 10:30am–12:45pm.

GRADING FACTORS

Weekly Quizzes	25%
In Class Exams	35%
Final Exam	40%

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