

Syllabus: Topics in Algebra Math190 (Spring 2024)

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2024-01-07

Abstract

Course Syllabus

Course Schedule & Format

- **Professor:** George McNinch <george.mcninch@tufts.edu>
- **Teaching Assistant:** Xiao Tan <xiao.tan@tufts.edu>
- **Course online resources:**
 - [canvas page](#)
 - URL: <https://gmcninch-tufts.github.io/2024-Sp-Math190/>
- There is no required textbook for the course. [Here are some references](#) that I'll use and that you can consult.

Course Grading & Expectations

Your grade in the course will be based on problem sets, engagement, and a *video project*.

Here are details on these course components:

- *weekly problem sets*,

Since the class meets on Mondays and Wednesdays, problem sets will be collected weekly on *Fridays*. [Here is the planned collection schedule](#).

The problems will be posted on the course website, and your solutions will be submitted to [Gradescope] – see [these remarks concerning use of gradescope](#)

- *engagement*

Each week (beginning in the second week) I'll ask you to make a written submission *on paper*. I'll provide a prompt *in advance*, and you should write a paragraph or two in response and return it in class.

- *video project*

You will make a 15-20 minute video presentation on an *approved* topic related to material covered in the course this term.

You must submit a *proposal* for a topic.

Your presentation should include rigorous mathematics.

Suggested resources – including a list of possible topics – will be listed in this page of [resources for the video-project](#).

After submission, each class-member's video project will be placed in a folder in tufts.box.com which will be readable by participants in the course. In particular, you will be able to view your peer's projects after submission.

In addition to completion of your project, you must also view and provide comments on 3 of your peer's projects.

Your score in the course will be determined from these grading components by the following (implicit) formula:

Table 1: **Grading**

grade component	percentage
problem sets	50%
engagement	20%
video project	30%

Your *letter grade* is then determined from this score using [the scheme described at this link](#).

Student Resources

For a list of *student resources*, please see the *syllabus* section of the Canvas site for the course.

Bibliography