

Information Sheet for Math 347

Course: Math 347, Elements of Modern Algebra, Spring 2023

Time: Mon/Wed 10-11:40am in NAC 1511A

Instructor: Professor Cleary

Office: Marshak 301 **Phone:** 650-5122

Tentative Office Hours: Mon 2pm, Wed 2pm and by appointment. Check my webpage for the latest information about office hours.

Text: Gilbert & Gilbert, **Elements of Modern Algebra**, Cengage Learning, 7th edition. (not the newer and more expensive 8th edition).

ISBN: 978-0495561361

Prerequisites: a thorough knowledge of the topics of proofs and abstraction from Math 308 and linear algebra from Math 346, or departmental permission

Email: scleary@ccny.cuny.edu

Main Website: <https://profcleary.github.io/math347>

The grading of your work during the semester will be as follows:

- **Homework (15%)**
- **Participation/Quizzes (15%)**
- **Exam 1: (15%):** Monday, March 6th
- **Exam 2: (20%):** Monday, Apr 3rd.
- **Final Exam: (35%):** Monday, May 22, 8:00am– 10:15 am

General Expectations: For each class hour spent in classroom lecture, I expect at least two hours spent outside of class reading and understanding notes from lecture, reading the book, and working on the homework. Math 347 is a difficult class not only because the topics are challenging, but also because there topics connected to many different things. Furthermore, some of the topics are considerably more abstract than the topics in earlier courses and it will take more work and energy to understand them competently. I expect all students to attend all classes and attempt all the homework assignments.

Exam Policy: All exams are closed book unless specifically permitted otherwise. Notes, calculators and books will not be allowed. Campus photo ID will be required at all exams. There are **no** make-up exams. If you are going to miss an exam, it is your obligation to let me know as soon as reasonably possible beforehand. On the exams, it will be your obligation to demonstrate that you know how to solve the problems. The exams will consist of some problems similar to the homework and also some more difficult ones that will require some creativity to solve completely and efficiently. I will not expect every student to answer every

question completely correctly, but I do expect students to know the material well enough to make reasonable progress even on difficult problems.

Homework Policy: Homework will be assigned in lecture each week and will be posted on the website for this class. The first homework will be collected on the Wednesday of the first week. Homework will be collected at the beginning of class. I expect students to arrive on time and turn in their homework at the beginning of class. Late homework will not be accepted. Because of this policy, the lowest two homework scores will not count. Since it is not feasible to grade all of the assigned homework problems, only a select few problems will be graded on each assignment. Your homework should be neatly stapled and clearly labelled with your name, the assignment number, 'Math 347', and "Dr. Cleary".

General Advice: This class will require a great deal of time because we will cover many topics over the course of the semester. Lectures, homework and quizzes will be an essential part of this class. If you do not have adequate time to devote to this class, please consider postponing this class until a semester in which you will have sufficient time. Remember the words of Dostoyevsky: "Originality and a feeling of one's own dignity are achieved only through work and struggle."

Academic Honesty: All work submitted for this course should be your own unless explicitly stated or acknowledged by you. If you collaborate with other students on the homework or use reference materials other than the texts, you must acknowledge the help. There is nothing necessarily bad about this, but if you work with other students on the homework you must mention their names and how they helped. If you find that you are not able to do the homework without consulting other students, you will have great difficulty on the exams, quizzes and with the participation components of the course. You are permitted to work with other students in the class, but this permission only applies to cooperative work, not to work mainly done by one student and mostly copied by another.