

Syllabus for MTH 461: Survey of Modern Algebra

University of Miami, Spring 2024

www.math.miami.edu/~cscaduto/teaching/461-spring-2024/

Instructor: Christopher Scaduto

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Office: Ungar 525

Office hours: Tues 10:00-11:00, Thurs 12:15-1:15, or by appointment

Class time and location:

Tuesday and Thursday 11:00AM - 12:15PM, Ungar 406

References:

There is no official textbook for the course. I will provide typed notes on the course webpage at the URL above that reflect much of what is covered in lecture, but possibly not everything. Take notes! References that cover some of the material in this course include the online textbook “Abstract Algebra: Theory and Applications” by Judson, located at <http://abstract.ups.edu/aata/aata.html>, and the (currently low-cost) textbook “A Book of Abstract Algebra: Second Edition” by Pinter.

Homework:

There will be homework problems assigned roughly every week. They will be posted on the course webpage, whose URL is listed above; email notifications will be sent via Blackboard when a new assignment is posted. Homework, and in particular thinking about problems on your own, is perhaps the most important part of learning the material. I also strongly encourage you to come to office hours to discuss the material to enhance your understanding.

Grading:

There will be 3 exams (this includes a final exam). Homework is 25% and each exam is 25%.

Writing credit:

You have the option of receiving writing credit in this course. This involves the completion of a writing assignment. For details, please come to office hours.

Standard university policies are assumed for this course. See for example

<https://bulletin.miami.edu/general-university-information/graduate-policies-and-procedures/academic-policies/>