

MATH 546 — Spring 2023

Professor:	Prof. Kustin
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e-mail:	kustin@math.sc.edu ( <b>E-mail is the best way to reach me.</b> )
web site:	<a href="http://people.math.sc.edu/kustin/teaching/546/546.html">http://people.math.sc.edu/kustin/teaching/546/546.html</a>
Office Hours:	Monday and Wednesday from 5:20 PM to 6:30 PM.
TextBook:	No textbook is required. I will put class notes on the class website. I will post homework problems on the website. If you want a textbook as a reference, I suggest “Abstract Algebra” by John A. Beachy and William D. Blair, any edition.
Learning Outcomes:	The students will learn to state and use the formal definitions pertaining to Group Theory and they will learn elementary theorems about groups. They will prove elementary theorems about groups. The students will use complete sentences.
Lectures:	I plan to deliver a lecture in-person for each class. If you are healthy, please come.
Lecture Notes:	I have posted typed lecture notes on my website for each class. I encourage you to study these notes. In particular, if you are not healthy or otherwise not able to come to class, then I strongly encourage you to study the lecture notes.
To succeed:	<p>I expect you to do the homework. Figure out proofs on your own. It serves very little purpose if you read the proof somewhere or if you wait for me to do it in class.</p> <p>There will be an opportunity to ask questions in every class. Ask about the things that bother you.</p>
Mistakes:	A poor performance on a given quiz or hour exam does not doom you to a poor grade in the course. Figure out what you did wrong. Do not make those mistakes again. I will surely ask something similar later. Get it right the next time.
Homework:	The homework problems for the semester will be posted my website. I will assign a few homework problems each class. Be sure to do these problems before the next class. <b>The quiz questions will be taken directly from the homework.</b>

Quizzes: We are scheduled to have 7 quizzes. These quizzes will be given on Wednesdays on January 18, January 25, February 15, February 22, March 22, March 29 and Monday April 17. Each quiz will be worth five points. **The quiz will consist of one problem from the assigned homework problems.** THERE WILL BE NO MAKE-UP QUIZZES. Quiz solutions are posted on my website shortly after the quiz is given.

If you are unable to take a quiz or an exam, do not worry about it. I will calculate your grade out of the quizzes and exams that you do take.

Hour Exams: There will be three hour exams. They will be given:  
Wednesday, February 1,  
Wednesday, March 1, and  
Wednesday, April 5.

Each hour exam is worth 50 points. THERE WILL BE NO MAKE-UP EXAMS. Exam solutions are posted on my website shortly after the exam is given.

If you are unable to take a quiz or an exam, do not worry about it. I will calculate your grade out of the quizzes and exams that you do take.

Final Exam: The final exam is worth 100 points.

The final is 4:00 – 6:30 on Friday April 28.

Drop Date: The last day to drop without receiving a WF is Monday, March 27, 2023. You will have 2 exams and (approximately) 5 quizzes before that day.

Manners: If you plan to leave before class is over, the correct procedure is to mention this to me before I start class.

Old Exams: The exams I gave the last few times I taught this course are available at my web site.

Prerequisites: C or better in MATH 300 and 544.