MTH 461Q - SPRING 2025

T, Th 12:30 pm, Ungar 506

INSTRUCTOR : Alexander Dvorsky (Ungar 445, `dvorsky@math.miami.edu`, `twitter.com/mth461q` , office hours tba),

TEXT: Dan Saracino, *Abstract algebra: a first course* (2nd ed.), Waveland Press

General information:

1. We will cover most of the material in the textbook, though we may skip some optional chapters based on time and relevance.

2. Reading mathematical texts requires patience and careful attention. It is normal to revisit challenging passages multiple times before they make sense. If, after persistent effort, you still encounter difficulties, I encourage you to visit me during office hours.

3. Stay on top of the reading assignments and homework. The pace of this course is fast, and falling behind can make catching up very difficult.

4. There will be two different types of homework assignments - regular homeworks and *workshops*. During designated workshop meetings, you will collaborate in groups of 3-4 to solve prepared problem sets. Selected problems will then be assigned as written homework. Workshop grades will consider both the mathematical accuracy and the clarity of your written solutions.

5. We will have two midterm exams (tentatively - 2/20 and 4/15) during normal class hours. If you miss an exam, please contact me as soon as possible to discuss possible accommodations (documentation required).

6. Academic integrity is expected in all assignments and exams. Refer to the university's Honor Code for specific policies.

7. Grading system: homeworks and workshops - 35%, midterm exams - 35%, final exam - 30%.

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Week	Dates	Lecture 1 (T)	Lecture 2 (Th)
1	1/14, 1/16	Intro, Ch. 0	Ch 1, 2
2	1/21, 1/23	Ch. 3	Ch. 4
3	1/28, 1/30	WORKSHOP 1	Ch. 5
4	2/4, 2/6	Ch. 6, 7	Ch. 7, 8
5	2/11, 2/13	WORKSHOP 2	Ch. 8, 9
6	2/18, 2/20	Ch. 9, review	EXAM 1
7	2/25, 2/27	Ch. 10	Ch. 11
8	3/4, 3/6	WORKSHOP 3	Ch. 12
9	3/18, 3/20	Ch. 12, 13	Ch. 13, 14[1]
10	3/25, 3/27	WORKSHOP 4	Ch. 15[1]
11	4/1, 4/3	Ch. 16	Ch. 17
12	4/8, 4/10	WORKSHOP 5	Ch. 18
13	4/15, 4/17	EXAM 2	Ch. 19
14	4/22, 4/24	Ch. 21	WS 6/ Review

[1]If time permits