

MATH 4281: Introduction to Modern Algebra (Fall 2018)
MWF 11:15 AM – 12:05 PM, Vincent Hall 113

Instructor: Dongkwan Kim, Vincent Hall 203B, kim00657@umn.edu

Office Hours: MW 12:10 – 1:40 PM or by appointment

Textbook: Charles C. Pinter, *A Book of Abstract Algebra*, 2nd edition (ISBN: 978-0486474175)

References:

- John B. Fraleigh, *A First Course in Abstract Algebra*, 7th edition
- Dan Saracino, *Abstract Algebra: A First Course*, 2th edition
- Tom Judson, *Abstract Algebra: Theory and Applications*, <http://abstract.ups.edu/>

Course Website: <http://www-users.math.umn.edu/~kim00657/teaching/18f4281/>

Prerequisites: MATH 2283 or 3283 (Sequences, Series, and Foundations)

Course Objectives: The object of this course is to understand basic ideas of modern (or abstract) algebra, i.e. groups, rings, algebras, etc.

Grading Policy: Exam 1 - 15%, Exam 2 - 15%, Final - 30%, Homework - 40%

Exams:

- All exams are closed book and closed notes.
- No calculators are allowed to use on the exams.
- Makeup exams will only be given for serious and unavoidable reasons. In such situations, please contact the instructor in advance. (see <https://policy.umn.edu/education/makeupwork> for more details)

Homework:

- Weekly homework assignments will be given, and no late homework will be accepted.
- You may work with your classmates on homework assignments. However, your solutions must be written in your own words, and you must indicate with whom you collaborated.
- The lowest homework score will be dropped.

Academic Misconduct: Students are required to abide by the Student Conduct Code of University of Minnesota, see https://regents.umn.edu/sites/regents.umn.edu/files/policies/Student_Conduct_Code.pdf. In particular, scholastic dishonesty in any portion of the academic work for a course shall be grounds for awarding a grade of “F” or “N” for the entire course.

Important Dates:

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| Last day to add full semester and first 7-week session classes without college approval | September 17 |
| Midterm 1 | October 10 |
| Midterm 2 | November 9 |
| Last day to cancel full semester classes without college approval and receive a “W” | November 12 |
| Final Exam | December 18 |

Additional information:

- Sexual Harassment: https://regents.umn.edu/sites/regents.umn.edu/files/policies/Sexual_Harassment_Sexual_Assault_Stalking_Relationship_Violence.pdf
- Equity, Diversity, Equal Opportunity, and Affirmative Action: https://regents.umn.edu/sites/regents.umn.edu/files/policies/Equity_Diversity_EO_AA.pdf
- Disability Accomodations: <https://diversity.umn.edu/disability/>
- Mental Health: <http://www.mentalhealth.umn.edu/>
- Student Responsibilities: <https://policy.umn.edu/education/studentresp>