

Introduction to Modern Algebra
MAT 3110, Spring 2026
MWF, 10:00–10:50am, 302 Walker Hall

Instructor: Dr. Rick Klima

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Phone Number: (828) 773-0790

Office Hours: MWF, 9:45–9:55am and 10:55–11:30am

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Course Information:

Bulletin Description: Topics covered include equivalence relations, groups, subgroups, homomorphisms, isomorphisms, and a survey of other algebraic structures such as rings, integral domains, and fields. Prerequisites: MAT 2110 or MAT 2510, and RC 2001 or its equivalent. Corequisite: MAT 2240.

Textbook: *Contemporary Abstract Algebra, 10th Edition*, by Joseph A. Gallian, which is available electronically on our **AsULearn course site**.

Homework: Homework will be given during or at the end of some of our class meetings, with solutions due sometimes during the same class meeting, and sometimes at the start of the next class meeting. These solutions will be graded, and collectively count as 20% of your final course average. Homework will always be posted on our **course calendar online** at the end of the class meeting in which it is given, and if you are absent you will still be responsible for submitting your homework solutions at the time when they were originally due. Late homework solutions will be accepted at the start of the next class meeting after they were originally due four times per student. I will also drop the two lowest homework grades for each student to account for solutions which were unable to be turned in due to unexpected circumstances.

Tests: Tests will be given in class on Monday **February 2**, Friday **March 6** (which is the last day of classes before spring break!), Friday **April 10**, and Wednesday **April 29**. Each test will count as 15% of your final course average. Make-up tests will be given only with my approval and for absences which result from unexpected circumstances that can be documented and verified.

WID Assignments: This course satisfies the WID (Writing in the Discipline) requirement for the General Education program. To fulfill this requirement, four WID assignments will be given at various times during the semester, all of which will require the use of the L^AT_EX program for professionally typesetting mathematics, and be due by 10:30am on Wednesday **May 6** (which is the end of our regularly-scheduled final exam period). Each WID assignment will be graded as either 100% if completed perfectly or 0% if not completed perfectly, and count as 5% of your final course average.

Inclement Weather, Campus Emergency: If any class meetings are canceled or moved online due to inclement weather or campus or personal emergencies, you will be responsible for any assignments and/or announcements that are posted on our **course calendar** online.

Academic Integrity, Access & Opportunity, Student Attendance, Student Engagement: Appalachian State University has official policies for each of these, which are posted at <https://academicaffairs.appstate.edu/resources-forms/syllabi-policy-and-statement-information>.

Grading: Final letter grades will be assigned at the end of the semester based on your final course average and the following scale:

92.00–100%	= A
90.00–91.99%	= A–
88.00–89.99%	= B+
82.00–87.99%	= B
80.00–81.99%	= B–
78.00–79.99%	= C+
72.00–77.99%	= C
70.00–71.99%	= C–
68.00–69.99%	= D+
62.00–67.99%	= D
60.00–61.99%	= D–
0–59.99%	= F.