Syllabus, Math 4110

Rm 221, Lind Lecture Hall, TR 10:30-11:45, Fall 2015

Instructor: Matt Ondrus   **Office Hrs (Lind Lec 014):** Mon 9:30-10:30, Tues 9:30-10:30, Thur

Phone: 626-6722   12-1, Fri 10-11, or by appointment (or drop in 3104 Wildcat Vil.)

Office: Rm 3104 Wildcat Village   **Course website:** http://faculty.weber.edu/mattondrus/4110/

Email: *mattondrus@weber.edu*   **Text:** Contemporary Abstract Algebra, 7th ed., Joseph, Gallian

Homework: Homework will be due about once per section of the book that we cover. I will grade some, but usually not all, of the problems you turn in. Each problem will be graded on a five point scale. **I encourage you to work with classmates on homework**, but your solutions must be your own writing and your own explanations. Homework will be due in class on the specified date. I will accept late homework once (up to two class days) with no questions asked. After that, late homework will receive at most $\frac{2}{3}$ credit. **This class if heavily proof-based. The clarity of your arguments and writing is very important on homework.**

The first two homework assignments will be graded differently. On these assignments, you will have to revise incorrect or incomplete solutions, and you will only receive credit when your solutions are outstanding.

Vocabulary Quizzes: We will have a vocabulary quiz almost every Thursday with one or two exceptions. Each quiz will consist of one or two words which I will ask you to define. It will take at most 5 minutes, The point is that there is a **lot** of vocabulary to learn, and if you do not know the definitions precisely, you will have a hard time understanding much of anything.

Exams: There will be two take-home midterm exams and one (cumulative) take-home final exam. On these exams, you **are not permitted to work with your classmates or use the internet**. However, I will usually be willing to give you a couple hints if you are stuck.

Note: The Final exam is due on Thurs. Dec 17, at 10:30 a.m..

Calculators: Calculators will rarely help you in this class.

Grading. Homework 28%,   Vocab quizzes 14%,   Midterms 18% each,   Final 22%

Grade	A- to A	B- to B+	C to C+	D- to D+
Score, s	$88 \leq s \leq 100$	$75 \leq s < 88$	$65 \leq s < 75$	$55 \leq s < 65$

Course Material: Algebra (specifically, representation theory) is my area of research, and I love thinking about it. However, this is a tough course, and you should know what you are getting into. When doing research, I frequently find myself muttering, erasing, rereading things (for the 5th or 6[th]time), and arguing with myself. You should probably expect something like this too. At the very least, be prepared to read your book two or three times and go over your notes before you truly understand what you read.