MATH 4377 – Algebraic Structures
Fall 2017

Instructor
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Office Hours: MTW 1-2 PM or by appointment

Textbook
Abstract Algebra: Theory and Applications by Thomas W. Judson. The book is available from `abstract.ups.edu`.

Course Overview and Prerequisites
Students will develop an understanding of groups, rings and fields and be able to write clear and concise mathematical proofs by the end of the semester. Students in this course must have obtained at least a C in MATH 3377 and MATH 3300.

University Policies
See `http://www.shsu.edu/academics/syllabus-guidelines/index.html` for Sam Houston State University's policies on academic dishonesty, religious holy days, students with disabilities and visitors in the classroom.

Rules of the Classroom
I expect you to be courteous to your classmates during class. In particular, you should not distract your classmates by talking to students around you about subjects unrelated to mathematics, reading the newspaper or using any of your electronics. You should also communicate respectfully with your fellow students when sharing ideas.

Grades
Your grade will be determined by your performance on two midterm exams (25% each), one final exam (25%), daily reading quizzes (10%), and written homework assignments (15%).

Exams: The exams will be in class. The tentative midterm exam dates are September 26 and October 31. The final exam is Tuesday, December 5 from 8AM to 10AM.

Quizzes: For each day of class, you will have a reading assignment from the book. At the beginning of class, there will be a short quiz from that section.

Homework: Homework will be due every Thursday. I will grade some subset of the homework problems and return them to you as soon as possible. All homework must be typeset using LaTeX.
I encourage you to work on your homework problems with classmates, but you must write your own solutions. Searching the internet for solutions will be considered academic dishonesty in this course.

Schedule
The tentative schedule for the course is as follows:

Week	Tuesday	Thursday
Aug. 23		1.2
Aug. 28	2.2	3.1 & 3.2
Sept. 4	3.3	4.1
Sept. 11	4.2	4.3
Sept. 18	5.1	5.2
Sept. 25	Exam 1	6.1
Oct. 2	6.2	6.2
Oct. 9	9.1	9.2
Oct. 16	10.1	10.2
Oct. 23	11.1	11.2
Oct. 30	Exam 2	16.1
Nov. 6	16.2	16.3
Nov. 13	16.4	17.1
Nov. 20	21.1	
Nov. 27	21.2	22.1
Dec. 6	Final Exam	