

Math 4220 – Abstract Algebra – Section 1 Spring 2008

Instructor: Sarah Brown
Office: SC 120
Phone: 435-865-8173
Email: brown_s@suu.edu Occasionally I don't receive emails, especially from yahoo accounts. If problems occur, please use sarahmathbrown@gmail.com.
Website: http://www.suu.edu/faculty/brown_s/
Prerequisites: A grade of "C" or better in Math 3120.
Text: *A First Course in Abstract Algebra*, 7th ed. by John B. Fraleigh, Addison Wesley
Fees: None
Class Meetings: 3-3:50pm Monday through Thursday SC129.
Office Hours: Monday and Thursday, 10-12, 4-4:30 in SC 120. Other times by appointment.

Course Description:

Elementary number theory and an introduction to the study of the fundamental algebraic systems: groups, rings, and fields.

Objectives:

- Thoroughly understand the definitions of groups, subgroups, cyclic subgroups, cosets, factor groups, abelian groups, rings, fields, and ideals
- Give examples of these and do computations with them

Grading:

Homework	450 points (10 pts each, a few lowest assignments will be dropped)
Quizzes	40 points (2 points each, a few lowest quizzes will be dropped)
Midterm Exams	225 points (75 pts each)
Final Exam	285 points (cumulative)

Grading Scale:

A	930-1000 (93%-100%)	B-	800-829 (80%-82%)	D+	670-699 (67%-69%)
A-	900-929 (90%-92%)	C+	770-799 (77%-79%)	D	630-669 (63%-66%)
B+	870-899 (87%-89%)	C	730-769 (73%-76%)	D-	550-629 (55%-62%)
B	830-869 (83%-86%)	C-	700-729 (70%-72%)	F	0-549 (0%-54%)

Homework:

The class is 4 credits. **Expect to spend at least 8 hrs on homework each week** (2 hours for every hour of class). Homework is graded by selecting a few of the assigned problems. **Correct work must be shown to get credit.** You are encouraged to work in groups but may not copy each other's homework. Copying solutions from others or the back of the book or solutions manual will result in 0 credit. Homework is collected at the end of class but may also be turned in at my office (SC 120) by 4:30pm sharp the day it is due. **Late homework is not accepted and missed exams cannot be made up unless there are extenuating circumstances as approved by the instructor.** Once I hand an exam back, there are no make-up exams, regardless. Grades are posted approximately two weeks after each midterm exam on WebCT, which can be accessed from <http://www.suu.edu/curstu/>.

Attendance:

Attendance is expected. Quizzes are given at the beginning of class, so be sure to be on time. Class notes are posted on WebCT, but you still need to attend class.

University Policies:

Scholastic dishonesty will not be tolerated and will be prosecuted to the fullest extent. You are expected to have read and understood the current issue of the student handbook (published by Student Services) regarding student responsibilities and rights, and the intellectual property policy, for information about procedures and about what constitutes acceptable on-campus behavior.

Having an instructor's manual is not allowed.

Students with medical, psychological, learning, or other disabilities desiring academic adjustments, accommodations, or auxiliary aids will need to contact the *Disability Support Center*, Room 205D, Sharwan Smith Center, phone (435) 865-8022. The Disability Support Center determines eligibility for and authorizes the provision of these services and aids.

Information contained in this syllabus, other than the grading, late assignments, makeup work, and attendance policies, may be subject to change with advance notice, as deemed appropriate by the instructor. Changes will be announced in class.