Syllabus for Math 458, Section 001, CRN 20427

Instructor: Dustin Cartwright

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Office Hours: Mon 2-3, Wed 10-11, and by appointment

Course Description: This is a continuation of Math 457 covering abstract algebra. We will cover group representations, Sylow theorems, rings, factorization, modules, and fields.

Text: Algebra by Michael Artin, 2nd edition

Calculator Policy: Calculators are not needed and no calculators or other electronic devices are allowed during exams.

Attendance and Classroom Expectations: I expect you to attend every lecture, pay attention, and participate in discussions. During lectures, you should not be using your laptop, cell phone, or any other electronic devices.

Grades:
- 35% homework : 30% homework answers, 5% peer evaluation
- 5% participation
- 60% exams: 17.5% each of two midterms, 25% final

Homework: Homework is due at the beginning of class each Tuesday. Assignments will be posted a week in advance on Blackboard. Although I expect you to attend every day and therefore hand in your homework in person, in case of conflict, you may email a scanned (not photographed) copy of your homework by the beginning of class.

No late homework is accepted, but I will drop the lowest homework score.

You are encouraged to discuss your homework with other people in class. However, you must write up your own solutions and you must acknowledge

your collaborators or any other sources used beyond the standard course resources.

Peer evaluation: Each week, one problem will be designated for peer evaluation. You should turn this problem in with the rest of your homework, but on a separate sheet of paper. The peer evaluation problems will then be redistributed so that you will receive another student's solution. Before the next class on Thursday, you will read the other student's solution and comment on any mistakes or arguments you don't understand. Your feedback should be narrative and not in the form of a grade.

Midterms: Feb 11 (in class), Apr 6-7 (take home)

The second midterm will be take-home. The problems will be posted at 8am on Apr 6 and you will turn in your solutions by 8am on Apr 7. While working on the midterm, you may not use any resources beyond the textbook and your own notes, so no consulting with other students or the Internet.

Make-up exams will only be given for a documented excuse. Please let me know as soon as possible if you think you will miss a midterm.

Final: May 10, 8-10am

Grading scale: Each component of your course grade will have a separate grading scale, to be decided after the component is finalized, i.e. the exam is graded, all homework turned in, etc. The cut-offs for the course grading scale will be determined by averaging together the component grading scales according to same proportions as your grades.

[Campus Syllabus](#) (includes Disability Services info)