MATH 310 SECTION 2 FALL 2014

Instructor. Prof. Christel Rotthaus
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Office Hours. MWF 2:00pm - 3:00pm and by appointment

Text. Hungerford, *Abstract Algebra*, Saunders College Publishing, second edition, 1997

Course objectives. The course focuses on basic topics in abstract algebra while introducing the students to the language of algebra. Upon completion of the course, the student is expected to understand mathematical arguments typical to this area of algebra, and should also be able to present written proofs and solutions to relevant theorems and problems.

   The course covers the following sections of the text:

Chapter 1: 1.1, 1.2, 1.3
Chapter 2: 2.1, 2.2, 2.3
Chapter 3: 3.1, 3.2, 3.3
Chapter 4: 4.1, 4.2, 4.3, 4.4, [4.5], [4.6]
Chapter 5: 5.1, 5.2, 5.3
Chapter 6: 6.1, 6.2, [6.3]
Chapter 7: 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, [7.9], [7.10]
Sections [-] will only be covered if time permits. **All** covered material is relevant for tests and for the final exam.

Homework, Exams and Grading. Your grade will be determined by:
   2 One-hour exams: tentative dates: October 8 and November 19, 2014
   Final exam: Tuesday, December 9 , 12.45-2.45pm
and *homework*.

Homework: Homework problems will be assigned at the beginning of each class. It is essential to your understanding of what is going on in class that you work hard on them on a day-to-day basis. The problems assigned will be collected weekly every Wednesday starting September 3. Your solutions must be written up *neatly* and *logically*, with appropriate explanation (in complete sentences) of what you are doing. Some of the homework problems will be graded. You may discuss any of the problems with each other, as long as you work alone and use your own wording to write up the homework to be handed in. *Late assignments will not be accepted.*

   In general, the University policy concerning academic integrity applies to this class. According to the Spartan Life Booklet, General Student Regulations,
   ".. no student shall claim or submit the work of another as one's own"

After each class read your notes, read the section in the book, and do the assigned homework problems. You should do at least two hours of work outside of class for each class section. Attend all classes.

Point distribution:
Hourly Exams 100 Points each
Final 200 Points
Homework 100 Points

NOTE: In order to achieve a passing grade in this course you need at least 100pts (50%) in the Final Exam **and** 50% of the Homework and Midterm scores.
Your maximal score could be 500pts. Depending on *all* your work (exams, homework, and final exam) your grade will be determined according to the following:

Grading scale:
4.0 • 92% or above
3.5 • 85 - 91%
3.0 • 78 - 84%
2.5 • 71 - 77%
2.0 • 64 - 70%
1.5 • 57 - 63%
1.0 • 50 - 56%
0.0 • 49% and below

Dates to know.

Wednesday - 08/27/2014 - Classes Begin. Students should go to scheduled Monday classes on the first day.

Monday - 09/01/2014 Labor Day. - University closed.

Wednesday - 09/03/2014 - Online open add period for fall semester ends at 8pm.

Thursday 09/04/2014 to Wednesday 09/10/2014 - Students go to Undergraduate office, C212 Wells Hall, for Mathematics enrollment changes. (Late adds, drop to lower course, section changes)

Monday - 09/22/2014 - End of 100% Tuition Refund

Wednesday - 10/15/2014 - Middle of semester. Last day to drop a class without a grade being reported.

Thursday 11/27/2014 to Friday 11/28/2014 - Thanksgiving Break

Friday - 12/05/2014 - Last day of classes

Tuesday -12/09/2014 - Final exam, 12:45pm - 2:45pm

Common Math Final Exam is Monday, December 8, 2014 from 10am - 12noon for the following courses: 1825, 103, 110, 112, 114, 116, 124, 126, 132, 133, 201, 202, 234, 235.

   The Common Math Final Exam for MTH 299 is Wednesday, December 10 2014 from 3:00pm - 5:00pm.