

MTHT 435: Abstract Algebra

Spring 2015

Location: SEO 612
Time: T 5:00pm-8:00pm
Instructor: Michael Hull
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Office: SEO 526
Office Hours: T 3:00pm-5:00pm

Course Description:

Sets, properties of integers, groups, rings, fields. Focus on concepts applicable to high school teaching.

Textbook:

A Concrete Approach to Abstract Algebra: From the Integers to the Insolvability of the Quintic by Jeffrey Bergen.

Class schedule

An approximate schedule for a typical class will be as follows:

5:00-5:40- Discussion of reading/previous lecture and homework problems. Students may be asked to present solutions to some homework problems.

5:40-7:00 Lecture on new material. Students should be prepared to actively participate in lectures by both asking and answering questions.

7:00-8:00 Group problems. Students will be divided into groups and given problems related to the lecture. For the last 20-30 minutes we will discuss the solutions to these problems and some students may be asked to present these solutions to the class.

At the end of each class, students will be assigned a portion of the textbook to read as well as a list of homework problems to complete and turn in at the beginning of the next class.

Grades

Written homework:	25%
Class participation/presentations:	25%
Midterm:	25%
Final:	25%

DISABILITY ACCOMMODATION

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http://www.uic.edu/depts/oa/disability_resources/faq/accommodations.html.