

# Math 593 Syllabus

Fall 2015

## 1. General information

Time and place: MWF 2:00pm–3:00pm in 1866 East Hall

Professor: Snowden (Office: 4855 East Hall; e-mail: [asnowden@umich.edu](mailto:asnowden@umich.edu))

Office hours: Monday 10:30am–12:00pm, Wednesday 12:30pm–2:00pm, by appointment

Text: Lang, *Algebra*, revised 3rd edition.

## 2. Exams

There will be a midterm and final. The midterm is on Friday, October 23, during our normal class meeting (2pm–3pm), and makes up 35% of the final grade. The final is on Wednesday, December 16 from 1:30pm to 3:30pm, and makes up 50% of the final grade.

## 3. Homework

There will be 11 homework assignments, making up 15% of the final grade. The lowest homework score will be dropped. Homework will typically be due on Monday, at the beginning of the class. Late homework is not accepted. If you will not be in class when homework is due, you can hand in your assignment early or e-mail me an electronic copy (by the beginning of the class it is due). Students are encouraged to work together on homework problems, but each student must write up their solutions independently. Homework solutions must be presented in an organized, legible, and comprehensible fashion, or will be marked down.

## 4. Grades

As described above, there will be 11 homework assignments, one midterm exam, and one final exam. Homework is worth 15% of the final grade, the midterm 35%, and the final exam 50%. The lowest homework score will be dropped in computing your grade.

## 5. Material

The course will roughly cover Chapters 2 (rings), 3 (modules), 15 (bilinear forms), and 16 (tensor products) of the textbook, though we will sometimes stray from the material and presentation in the book. We will spend approximately three weeks on each chapter.

9/9	Lecture 1	Chapter 2	
9/11	Lecture 2		
9/14	Lecture 3		Homework 1 due
9/16	Lecture 4		
9/18	Lecture 5		
9/21	Lecture 6		Homework 2 due
9/23	Lecture 7		
9/25	Lecture 8		
9/28	Lecture 9	Chapter 3	Homework 3 due
9/30	Lecture 10		
10/2	Lecture 11		
10/5	Lecture 12		Homework 4 due
10/7	Lecture 13		
10/9	Lecture 14		
10/12	Lecture 15		Homework 5 due
10/14	Lecture 16		
10/16	Lecture 17		
10/19	<i>No class: Fall study break</i>		
10/21	Review for midterm		
10/23	<b>Midterm</b>		
10/26	Lecture 18	Chapter 15	
10/28	Lecture 19		
10/30	Lecture 20		
11/2	Lecture 21		Homework 6 due
11/4	Lecture 22		
11/6	Lecture 23		
11/9	Lecture 24		Homework 7 due
11/11	Lecture 25		
11/13	Lecture 26		
11/16	Lecture 27	Chapter 16	Homework 8 due
11/18	Lecture 28		
11/20	Lecture 29		
11/23	Lecture 30		Homework 9 due
11/25	Lecture 31		
11/27	<i>No class: Thanksgiving break</i>		
11/30	Lecture 32		Homework 10 due
12/2	Lecture 33		
12/4	Lecture 34		
12/7	Lecture 35		Homework 11 due
12/9	Lecture 36		
12/11	Lecture 37		
12/14	Review for final		
12/16	<b>Final exam, 1:30pm–3:30pm</b>		