

CLASS MEETING SCHEDULE:

Section	Name	Position	Class Location	Class Times / Days
001	Maxim Gilula	Instructor	A118 WH	MWF 10:20-11:10am

SOME INFORMATION:

Section	Name	Email	Office Location	Office Hours
001	Maxim Gilula	gilulama@math.msu.edu	C320 WH	MWF 1:30-2:30pm

In addition to the set office hours you may contact me to setup a separate appointment. I encourage you to come to office hours.

I expect you to know if you have the prerequisites necessary for this class. We will do proofs in this class, so you need to be familiar with how to do (at least some basic) mathematical proofs. The official prerequisites are (MTH 133 or MTH 153H or LB 119) and (MTH 299 or MTH 317H or approval of department).

We will cover most of the book up through chapter 6. The tentative schedule can be found on the next page.

SUPPLIES:**TEXTBOOK:**

[Understanding Analysis](#),
 Author: Stephen Abbott,
 ISBN 978-0-387-95060-0,
 Can be found online [here](#)

CALCULATOR:

No calculators are required or allowed in this class.

HOMEWORK

There will be weekly homework. Doing and understanding the solutions to problems by yourself is probably the most important part of the class. Feel free to work together, but in my opinion it is rare for people who work together do equal amounts of work and always be on the same page. I feel it is especially important in analysis to develop intuition by attempting problems by yourselves. You should follow MSU's academic honesty policy, which includes turning in your own work.

Due to its importance, it will be worth 30% of your grade. After the first few homeworks I will think about a regrading option: you can redo incorrect solutions to problems for half their credit.

I will do one homework problem from each section in class before homework is due. This will help you make sure you are on the right track for writing proofs in analysis.

PRESENTATIONS AND EXAMS:

5% of your grade will be based on presenting a solution to some assigned problem in class, or presenting the proof of some theorem from the book. I will work out the details to this in the coming weeks.

The first exam is **Friday, February 15th**. It covers through chapter 2. It is worth 20% of your grade.

The second exam is **Friday, March 29th**. It covers through chapter 4. It is worth 20% of your grade.

The final exam is scheduled for **Thursday, May 2nd in A118 Wells Hall from 7:45AM to 9:45 AM**. The final exam is cumulative. It is worth 25% of your grade.

Make sure you can attend each of these three exams.

SCHEDULE

I highly recommend you read and try to work through the examples in the sections we are supposed to cover before each class. I will be traveling the week of January 14, so you will have a substitute.

Tentative Schedule:

	Monday	Tuesday	Wednesday	Thursday	Friday
Week of 1/7	§1.1		§1.2		§1.2, 1.3
Week of 1/14	§1.4		§1.4		§1.5
Week of 1/21	Holiday		§2.1		§2.2
Week of 1/28	§2.2		§2.3		§2.4
Week of 2/4	§2.5		§2.6		§2.7
Week of 2/11	§2.8		Review		Exam 1
Week of 2/18	§3.1		§3.2		§3.2, 3.3
Week of 2/25	§3.3		§3.4		§3.5
Week of 3/4	<i>Spring</i>		<i>Break</i>	<i>No</i>	<i>Class</i>
Week of 3/11	§4.1		§4.2		§4.3
Week of 3/18	§4.4		§4.4		§4.5
Week of 3/25	§4.6		Review		Exam 2
Week of 4/1	§5.1, 5.2		§5.2, 5.3		§5.3
Week of 4/8	§5.4		§6.1		§6.2
Week of 4/15	§6.2		§6.3		§6.4
Week of 4/22	§6.5		§6.6		Review
Week of 4/29				Final Exam	

COURSE GRADING:

To summarize, your course grade will be based on:

Homework	Presentation	Exam 1	Exam 2	Final Exam	TOTAL
30%	5%	20%	20%	25%	100%

In addition, you must take the final examination in order to pass the course.

Final grades will be tentatively determined by:

4.0 Grade	0.0	1.0	1.5	2.0	2.5	3.0	3.5	4.0
% Grade	[0,55)	[55,60)	[60,65)	[65,73)	[73,80)	[80,85)	[85,90)	[90,100]

I might curve exams or curve at the end of the course to make this grading more lenient.