

MA 113, Sections 001-004, Spring 2018

Instructor:

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Time and Place of Lecture and Recitations:

Lectures meet at 9AM on MWF in White Hall Classroom Building room 114. Notes from lecture will be posted below:

- [Jan 10 notes, illustration of MA 113 student responsibilities.](#)
- [Jan 12-17 notes](#)

Recitations meet as follows.

- Section 001, TA Justin Barhite: TR 8:00-9:15, White Hall Classroom Building 335
- Section 002, TA Justin Barhite: TR 9:30-10:45, White Hall Classroom Building 214
- Section 003, TA Lisa Mueller: TR 11:00-12:15, White Hall Classroom Building 213
- Section 004, TA Aida Maraj (MathExcel): M 3:00-4:30, White Hall Classroom Building 343 **and** TR 2:00-3:30, Math House at 654 Maxwellton Ct

Information specifically concerning sections 001-004 of MA 113 is posted on this page. All other information for MA 113 can be found on the [Spring 2018 MA 113 common web page](#). These pages together constitute the syllabus for MA 113.

In sections 001-004 we will follow the grading scheme described in the [common syllabus](#). For sections 001-004, each recitation quiz is worth 2 points, and there are 22 points for lecture attendance. *You are responsible for carefully reading the common web page.* Pay particular attention to the following items:

- WebWork -- the online homework system for this course
- Course calendar and recitation worksheets
- Written assignments
- Quizzes
- Exam dates and locations
- Resources for getting help -- the Study, the Mathskeller, TA office hours
- How your grade will be determined

You may view your exam and assignment scores through the UK Canvas system at uk.instructure.com.

The Canvas system will be used for all course-wide announcements. Please use my email address, not the Canvas system, to correspond with me.

Reading and Lectures:

You are expected to read the assigned sections in the textbook prior to lecture, as given in the course calendar on the [Spring 2018 MA 113 common web page](#). For example, for class on Friday, January 12, you should read sections 1.4-1.5 except for the material on trig and inverse trig. I will assume that all students have read the assigned reading prior to lecture.

Lectures will NOT be a direct presentation of material as found in the textbook. Lecture will be used to motivate central concepts in the course, work through particularly complicated examples, and to highlight the most important ideas in the reading. For example, the first 3-4 days of lecture will combine ideas from sections 1.1-1.5 and Appendix D to motivate and clarify the ideas we will need from your precalculus courses. *You must complete the reading assignments in order to have a complete understanding of the mathematical content of MA 113.*

Suggestions for reading mathematics:

- *First: understand the story.*
Even if you don't understand all the words, you can understand a lot by skimming the expository paragraphs. Is this portion of the text about a specific example? a general phenomenon? Does the author say it is related to something you know about? Does the section contain a lot of theorems and proofs, or mainly a collection of examples? What words are defined in the section?
- *Second: understand the broad ideas.*
Read the definitions. Create small examples and non-examples. Read the

theorems. Create small examples and non-examples to illustrate the theorem. Skip all proofs. Summarize the text in your own words.

- *Third: understand the details.*

Read the examples and proofs. Create larger examples and non-examples. Create generalizations of the definitions and theorems. Try to prove your generalizations.

- *Continually repeat this cycle.*

Read the section again. Create a short summary of the text in your own words. Create a short outline of the text. Explain the material in the section to your study group.