

**Math 320**  
**Real Analysis**  
**Spring, 2017**

**Instructor:** Dr. Intermont

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Hours:      MF:            9:45–10:45  
              T:             1–2:30  
              W:             2:45–4:00

And many unscheduled times too!

**Text:**    *Understanding Analysis* by Stephen Abbott, second edition

**Content:** The goal of this class is to gain a deep understanding of limits and continuity, sequences and series of numbers, and sequences and series of functions. We will concern ourselves with real numbers, and will aspire to discuss the material in Chapters 1 through 6 of Abbott's text.

**Course Structure:** The workload in this class is comprised of:

**Homework:** Homework is for practicing and expanding upon the concepts introduced in class. It is also practice in communicating your thoughts and ideas. Selected problems will be graded. The correctness of the problem as well as the communication of the solution are both important pieces of how well your work is received. Readability of the work is assumed, and it is expected that your solutions will be written up formally, including being turned in in the order in which they were assigned, being stapled together, and having no loose or frayed edges. While you are permitted, and in fact encouraged, to work together, this does not include copying. Each problem should be written up by each student individually. Late homework will not be accepted. Homework will comprise 40% of the final grade.

**Quizzes:** Quizzes are meant to provide motivation for keeping up with definitions, basic ideas, and are meant to provide opportunities for quick feedback. These opportunities will occur most Fridays on the quarter and will carry 15% of the final grade. The lowest quiz grade will be dropped.

**Exams:** There will be a midterm on **Wednesday of Week 5** and final exam. This is where you show off your understanding of concepts AND written communication skills. The midterm exam will determine 20% of the final grade, and the final exam 25%. Please note the final exam, as scheduled by the Registrar, is **Monday, June 5, 1:30-4pm**. All travel plans for the end of the semester should be made for after this time.

**Attendance:** Attendance in class is strongly encouraged. This is your best opportunity to ask for clarification, to begin to distinguish the major themes from the minor themes in our work, etc. Attendance in class for exams and quizzes is expected; no make ups will be given.

**Honor Code:** You are aware that all work conducted at Kalamazoo College is conducted under the honor code. While you are permitted to work with others, this does NOT include copying solutions from others. In particular, copying solutions from a web-based source, or submitting work which does not reflect your own thinking about the problems is prohibited. A violation of the honor code will result in an F for that assignment.