

# Math 31B: Integration and Infinite Series

Syllabus

Fall 2014

## General

- Lecture: MWF 1:00-1:50 PM, FOWLER A103B
- Textbook: J. Rogawski, Single Variable Calculus, (2nd Edition), W.H. Freeman & CO
- Webpage: <http://hydra.math.ucla.edu/~craig/31b.4.14f/>
- Discussion:
  - 4A, T 1:00-1:50 PM, MS 5138
  - 4B, R 1:00-1:50 PM, BOELTER 5422
  - 4C, T 1:00-1:50 PM, ROYCE 164
  - 4D, R 1:00-1:50 PM, ROYCE 164
  - 4E, T 1:00-1:50 PM, WGYOUNG 4216
  - 4F, R 1:00-1:50 PM, BUNCHE 2160

## Instructor

- Craig Schroeder
- Office: MS 6310
- Hours: MWF 2:00-3:00 PM (after class), or by appointment
- Email: [craig@math.ucla.edu](mailto:craig@math.ucla.edu)

## Homework & Quizzes

Homework will be assigned weekly and posted on the website. As a general rule, this will be after class on Monday, though there will be exceptions to this. The problems are intended to help you to learn the material, so it is important that you understand how to do all of them. You may work on the homework problems in groups or individually.

Homework will not be collected. Rather, there will be a quiz at the beginning of each discussion section. Tuesday quizzes will cover material up to Friday of the previous week, and Thursday quizzes will cover material up to Monday of the current week. The problems that appear on the quizzes are likely to be similar to problems from the homework. There will be no make-up quizzes, but the two lowest quiz scores will be dropped when computing the final grade.

Our course text has a large number of problems at the end of each section with answers to most of the odd problems in the back of the book. The homework problems that are assigned will be mostly odd

problems, so that you will be able to check your answers. If you get stuck on an odd-numbered problem, it may help to look at the answer and then try to work backwards to figure out how to solve the problem. If that does not work, ask on Piazza.

## Exams

There will be two midterms, which will be held during class on Wednesday, Oct 22, and Monday, Nov 24. The final will be Monday, December 15, 8:00-11:00 AM. Please bring your ID card to all exams. No books, notes, smartphones, or calculators will be allowed on any of the exams. There will be no make-up exams; however, you may request that your final exam score be used in place of one of your midterm scores. If you would like to make this substitution, the request must be made before the day of the final.

## Student Math Center

The Student Math Center (SMC), located in MS 3974, is available for your use and is open Monday through Thursday, 9:00 AM to 3:00 PM. The SMC offers free, individual and group tutoring for all lower division math courses. This service is available on a walk-in basis; no appointment is necessary. Students may ask any of the TAs in attendance for assistance with math problems.

## Piazza

This course has a page on Piazza, where you can ask questions and receive help from other students in the course as well as the instructors. Use of Piazza is recommended but optional. The Piazza page for this course is here: <https://piazza.com/ucla/fall2014/math31blecture4/home>. An access code is required to join the course on Piazza. This code will be emailed out at the start of the quarter and can also be obtained by emailing the instructor.

## Notes

If you have any questions (homework, administrative, etc.), please feel free to come to the instructors office hours or your TAs office hours. Mathematical questions are very difficult to answer by email, but feel free to use email for other questions or to schedule an appointment. For mathematical questions, please ask on Piazza instead.

## Grading

Each midterm will be worth 20% of your final grade. Quizzes will be worth 20% of your final grade, with the lowest two scores being dropped. The final will be worth 40% of your final grade.

## Academic conduct

Your work and conduct in this course are governed by the UCLA student conduct code. This code is designed to promote high standards of academic honesty and integrity as well as fairness. In particular, all work that you submit in this course must be your original work. Any cases of suspected academic misconduct will be addressed as defined by the conduct code.