

UCLA Math 31B – Course Information

Fall 2013

Course information including this handout can be found by following the links here:

<http://www.math.ucla.edu/~dupuy>

Instructor Dr. Dupuy

Meeting Time and Place

Section 1 8:00AM – 8:50 AM MS 4000A
Section 2 9:00AM – 9:50 AM MS 4000A

Students are responsible for attending a discussion section which meets at the same time as your section on either Tuesday or Thursday. These sections are intended to help you with problem solving and cover extra material that we did not get to in lecture.

Book *Single Variable Calculus* (2nd Edition), by Jon Rogawski, W. H. Freeman and Company, New York.

Prerequisites Students enrolling in 31B are assumed to have a strong background in precalculus mathematics, including polynomial functions, trigonometric functions, and exponential and logarithm functions. Students enrolling in 31B are also assumed to have a background in basic calculus including the basic theory of integration and differentiation including the various forms of the Fundamental Theorem of Calculus (see the description of math 31A for more details).

Material Covered 31B will have three main sections:

- Calculus of Logarithms and Exponentials (7.1–7.7)
- Topics Pertaining to Integration (8.1 – 8.3, 8.5 – 8.6, 8.8, 9.1–9.2)
- Infinite Series (9.4, 11.1–11.7)

The presentation of material in lecture may vary from the book. Students are responsible for both presentations.

Grading Structure

Homework/Quizzes	10%	One quiz weekly in discussion over the weekly homework
Midterm 01	25%	Friday, October 25 (<i>tentative</i>)
Midterm 02	25%	Friday November 22nd (<i>tentative</i>)
Final	40%	Sec 1: Wednesday, December 11th, 11:30AM – 2:30PM, MS4000A Sec 2: Monday, December 9th, 3:00PM – 6:00PM, MS4000A

- No make up exams will be allowed.
- Students will have the option to drop one or both of the midterms *before taking the final exam* at the end of the quarter. Which midterms students wish to be dropped will be recorded by the TA in the final discussion section of the quarter. In the event that a student elects to drop one or both midterms the weight of the final will increase replacing the weight of the dropped midterms.

If a student fails to indicate to their TA which midterms they wish to drop *before* taking the final then no midterm will be dropped. We cannot help students drop a midterm after the taking final.

- In the event that a student misses the final exam *university policy dictates that instructor must fail the student for the course.*
- Quizzes will be administered weekly in discussion section. The quiz problems will be very similar to the homework problems which will not be collected. The first quiz will be given on Thursday October 4th. If you meet on a Tuesday section, your first quiz will be on the following Tuesday. The first assignment is available at <http://www.math.ucla/~dupuy>.
- Since absences occur, the two lowest quiz grades will be dropped.
- Grades will be kept using the MyUCLA system.
- Student may use their own handwritten notes on the weekly quizzes.
- Student may use *one* 3×5 index card of notes for the midterms and final.

Grading and Assignment Philosophy • From the UCLA math department handbook: “A fundamental problem at UCLA (and elsewhere) is that students often do homework by imitating worked out examples, and think they have learned mathematics if they know how to plug into formulas. Rote memory, rather than understanding, is the key to success, they think. As we all know, things that are memorized are generally forgotten after the test; things that are understood are retained forever.”

In order to emphasize understanding over memory, and homework problems may not be similar to example problems from class and exam problems may not be similar to homework problems. We ask the students in this course to learn the concepts behind the formulas and learn how to apply them.

- Basis For Grades: Grades will be based on how well a student has demonstrated an understanding of concepts involved in a particular problem. Minimal credit can be given to answers without work. We do not care how a student solves a problem as long as it is done correctly.

Contact Information An up-to-date list of office hours and office locations can be found on the course webpage. Keep in mind that we are dealing with over 300 students. To manage your emails effectively we ask that you contact your discussion section leader rather than Dr. Dupuy.

Person	Section	e-mail
Dupuy	Main	dupuy@math.ucla.edu
Bailey	1A, 1B	vbailey@math.ucla.edu
Zhang	1C,1D	zyf@math.ucla.edu
Lang	2A, 2B	jaclynlang@math.ucla.edu
Xie	2C, 2D	feixie@math.ucla.edu
Keneda	2E, 2F	jkeneda@math.ucla.edu