Math 33B: Differential Equations

Ricardo Salazar

Summer 2019 (Lec 1)

Course information

Contact: rsalazar@math.ucla.edu (write “Math 33B” in the subject).

Time: 11:00 to 1:50 pm.

Location: Geology 3656.

Office hours: See class website (CCLE).

Teaching assistant(s):

<table>
<thead>
<tr>
<th>Section</th>
<th>T. A.</th>
<th>Office</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 A,B</td>
<td>Mennen, Alex Boelter 9436</td>
<td><a href="mailto:alexmennen@math.ucla.edu">alexmennen@math.ucla.edu</a></td>
<td></td>
</tr>
</tbody>
</table>

Course Description

First-order, linear differential equations; second-order, linear differential equations with constant coefficients; power series solutions; linear systems.

Textbook & supplemental references

- Trench, William F. Elementary Differential Equations.
Course outline

We will attempt to cover the material in the mathematics department general course outline. Although an effort will be made to follow these guidelines, material presented during lecture might be chosen from supplemental references and/or material readily available online.

CCLE and MyUCLA

This course will use a password-protected Internet site on UCLA CCLE to post links to course materials and announcements. These materials can include the syllabus, handouts and Internet links referenced in class (hard copies of course materials will not be made available in class). Please consult CCLE and this syllabus before sending me an email about a policy or procedure; your question(s) might already be answered here. In addition, you can check your scores via the MyUCLA Gradebook. Please notice that it is your responsibility to verify in a timely manner that the scores appearing on MyUCLA are accurate.

Midterms

One ninety-minute midterm will be given on Monday, August 26 from 11:00 to 12:30 pm at Geology 3656. There will be absolutely no makeup midterms under any circumstances.

Final Exam

The final exam will be given on Thursday, September 12 from 11:00 to 1:00 pm at Geology 3656. Failure to take the final exam during this time will result in an automatic F!

Make sure to bring your UCLA ID card to every exam. You will not be allowed to consult books, notes, the internet, digital media or another student’s exam. Please turn off and put away any electronic devices during the entire duration of the exam.

The midterm exam will be returned to you during discussion section and your TA will go over the exam at that time. Any questions regarding how the exam was graded must be submitted in writing with your exam to the TA at the end of section that day. No regrade requests will be allowed afterwards regardless of whether or not you attended section. Please get in touch with me if you anticipate missing section due to a family emergency or a medical reason.
Grading

*Grading method:* Homework, Quizzes, Midterm Exam, and Final Exam.

Your final score in the class will be the maximum of the following two grading breakdowns:

\[
\text{[10\% Homework] + [20\% Quizzes] + [30\% Midterm] + [40\% Final Exam]}
\]

\[
\text{or}
\]

\[
\text{[10\% Homework] + [20\% Quizzes] + [70\% Final Exam]}
\]

*Letter grades:*

Actual letter grades will follow departmental recommendations for grade distribution, using a ranking of the class according to the grading schemas described above. Grades are fully determined by these numbers, so please *do not* request exceptions.

**All grades are final when filed by the instructor on the Final Grade Report.**

Policies and procedures

Homework will be assigned on a weekly basis, and it will be collected the following week (Monday). There will be about 5 homework assignments throughout the quarter. No late homework will be accepted for any reason, but your lowest score will be dropped.

Quizzes will be given during discussion sections on *Tuesdays of weeks 2, 3, 4, and 5.* They will consist of either a homework problem, or a slight modification of a problem assigned during the previous week. The lowest quiz score will not count towards the computation of your final score.

Scores on homework assignments, quizzes, and exams will appear on *MyUCLA* before these items are returned to you. It is your responsibility to verify in a timely manner that the scores appearing therein are accurate.

Accommodations

If you need any accommodations for a disability, please contact the UCLA CAE\(^1\) (*www.cae.ucla.edu*). Make sure to let me know as soon as possible about necessary arrangements that need to be made.

---

\(^1\)Center for Accessible Education
Course Syllabus Subject to Update by the Instructor.