

Applied Numerical Methods  
MATH 151A

Lectures: MWF 3:00pm - 3:50pm, Mathematical Sciences 6229  
Instructor: Wuchen Li.  
Office: MS 7620F. Office hours: Friday 4:00pm - 6:00pm.  
E-mail: wcli@math.ucla.edu

Discussion Section: Tuesday, 3:00pm-3:50pm, Mathematical Sciences 6229  
Teaching Assistant: Zehan Chao  
Office: MS 3949.  
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Textbook:  

Grading Systems: The highest score among the following two grading scheme:

Either

\[
\begin{align*}
4 \text{ best homework (out of 5)}: & \quad (4 \times 5)\% \\
+ \quad & 2 \text{ Midterm}: \quad (2 \times 20)\% \\
+ \quad & 1 \text{ Final exam}: \quad (1 \times 40)\%
\end{align*}
\]

Or

\[
\begin{align*}
4 \text{ best homework (out of 5)}: & \quad (4 \times 5)\% \\
+ \quad & 1 \text{ best Midterm (out of 2)}: \quad (1 \times 30)\% \\
+ \quad & 1 \text{ Final exam}: \quad (1 \times 50)\%
\end{align*}
\]

Homework Assignments:  
There will be 5 homework assignments. The assignments will be announced in class and through CCLE. Homework assignments may consist of both theoretical and computational work. The computational work will be either at calculator level or completed using MATLAB. Nonetheless,
you are **highly encouraged** to use MATLAB program to finish the questions related to computing. In questions that explicitly states that programming is necessary, it will be necessary for students to use programming in C/C++/MATLAB. Please put all your codes in **One** file when you submit your code as `lastname_firstname_hw_X.m`, where X stands for the assignment number.

Academic honesty is strongly emphasised in homework assignments in this university. Please refer to the section **Academic Honesty** in this course outline for more information.

Graded homework will be returned to you in the discussion section. In each assignment, several chosen problems will be graded, and a certain score will be assigned for completeness. **The lowest homework score will be dropped in the computation of your final grade. No late homework will be accepted, and there will be no make-up homework.**

**Examinations:**

There will be 2 midterms and 1 final exam. The examinations are closed-book and closed-note.

**Midterms:**
1) Friday, Oct 20, 3:00pm-3:50pm (during lecture), Location: MS 6229
2) Friday, Nov 17, 3:00pm-3:50pm (during lecture), Location: MS 6229

No midterm exams at a time other than the designated ones will be allowed, and there will be no make-up midterm whatsoever. However, please be reminded that we are having a DUAL grading scheme. Therefore, **EITHER both midterms will be used in the computation of your final grade, OR the lowest midterm score will be dropped in the computation of your final grade.**

**Final:**
Tuesday, Dec 12, 8:00am-11:00am, Location: TBA. (Tentative)

No final exam at a time other than the designated one will be allowed.

Any change in time will be announced in class and through CCLE.

**Grading Complaints:** If you believe that a problem on a homework or an exam has been graded incorrectly, or that your score was not correctly recorded, you must bring this to the attention of the professor before the date of the final exam and within 7 calendar days of the due date of the assignment in question, or the distribution of the date of the midterms.

**Academic Honesty:**
The university places very high importance on honesty in academic work by students. Discussions on homework problems among fellow classmates, teaching assistants or the instructor are welcomed. However, solutions to homework problems will have to be completed **individually**, see [http://www.deanofstudents.ucla.edu/Portals/16/Documents/StudentGuide.pdf](http://www.deanofstudents.ucla.edu/Portals/16/Documents/StudentGuide.pdf)