

Spring 2020 AMSC/CMSC 460 Syllabus – Ruiwen Shu

INSTRUCTOR:

Ruiwen Shu Email: rshu@cscamm.umd.edu.
Office hours: 11:15am-12:15pm Tuesday, and by appointment.
Office: 4150 CSIC building
More information will be available at my website <https://shuruiwen.com/teaching/>

LECTURE (section 0201): TuTh 9:30am-10:45am, Room: PHY 0405

TEXTBOOK: Numerical Analysis, 10th edition, by Richard L. Burden, Douglas J. Faires and Annette M. Burden

HOMEWORK: will be assigned every Thursday (except the first week, the last week, and the weeks of midterms) and due the next Thursday in class. There are 10 homework in total. Homework may include MATLAB coding. LATEX is recommended for homework writing. 8 of your best grades will count in final grade. Late homework is not accepted unless there is a legitimate reason.

TESTS: There will be two midterm exams and one final exam. Missed exams can be made up in case of legitimate reasons. Midterm 2 is not accumulative. The final exam is accumulative.

MIDTERM EXAM 1: Tuesday, February 25, 2020 (in class)

MIDTERM EXAM 2: Tuesday, April 21, 2020 (in class)

FINAL EXAM: to be assigned (total length = 120 minutes)

PROGRAMMING: MATLAB is required for this course. It is available at <https://terpware.umd.edu/Windows/title/1849>.

HONOR CODE: The UMD Code of Academic Integrity is administered by the Student Honor Council. The Code sets standards for academic integrity. You will be asked to write and sign the following honor pledge on each quiz and exam unless exempted by your instructor: "I pledge on my honor that I have not given or received any unauthorized assistance on this quiz/examination." Note that copying solutions from other sources is plagiarism.

GRADES: Letter grades are determined based on your total points, which includes

| | |
|--------------------------|--------------|
| Midterms | 20 * 2 = 40 |
| Homework (8 best grades) | 2.5 * 8 = 20 |
| Final exam | 40 |
| TOTAL possible points | 100 |

The letter grades are determined completely by your percentage in your own class (notice that the grades in the classes of other instructors have no influence on your letter grade).

Tentative schedule:

| Chapter | Sections | Number of lectures |
|------------------|-----------------------------|---------------------------|
| 1 | 2, 3 | 2 |
| 2 | 1, 2, 3, 4 | 3 |
| 3 | 1, 2, 3 | 3 |
| Midterm 1 | | |
| 6 | 1, 2, 3, 4, 5, 6 | 4 |
| 8 | 1, 2 | 3 |
| 4 | 1, 2, 3, 4, 5, 6, 7 | 5 |
| Midterm 2 | | |
| 5 | 1, 2, 3, 4, 5, 6, 9, 10, 11 | 7 |