AMSC661/CMSC661: Scientific Computing II  
Spring 2020 - Online until the end of the semester

Instructor: Lise-Marie Imbert-Gérard  
Office: MTH (Kirwan hall) 4408 / CSIC 4119  
✉ lmig@umd.edu

Grader: Anna Sotnikova  
Office: 2119 Kirwan Hall  
✉ asotniko@umd.edu

Lectures: Tuesday/Thursday 9:30am - 10:45am room PHY 1219 online via zoom
Office Hours: online via zoom, Tuesday 11am-12pm room CSIC 4119, Thursday 8.30am-9.30am room PHY 1219 (or by appointment)
Communication: The primary mode of communicating will be via ELMS, using the Discussions and Announcements features.
Submissions: ELMS is the designated centralized place for student submissions.
Documents and readings: They will be distributed via ELMS.

All course materials are only made available to students that are enrolled in this class. Distributing these materials is prohibited.

Email: If you email me about anything related to this course, please put [AMSC-CMSC661] in the email’s subject line.


Course Materials:


- **Additional material:** I will provide references for each chapter. Whenever possible, I will use resources available online. Interesting books include Nocedal & Wright Numerical optimization, Stewart Afternotes on numerical analysis, Demmel Applied Numerical linear algebra, Morton and Mayers Numerical Solution of Partial Differential Equations, Larsson and Thomée Partial Differential Equations with Numerical Methods


Matlab: Homeworks problems require very basic programming skills. This is not a programming class, so it will be assumed that you have some basic programming knowledge. You are asked to use Matlab for the computer assignments. Access to Matlab is available on the University computer systems. You can also purchase a student version of the program for your own computer. There are various online resources which teach basic Matlab programming. In case you do not know how to work with Matlab, you should go over some of these resources quickly. Links to several online resources will become available on the course webpage.

Syllabus AMSC661/CMSC661 - Scientific Computing II - Updated 03/28/2020
Timing of Exam: The Final Exam will be due on Friday May 15th, by 2pm.

Grading Policy:

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<tr>
<td>Homework</td>
<td>Final Exam</td>
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<td>60%</td>
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- The homework is an essential part of learning the ideas discussed in the course. While I encourage discussions and work in groups, you must be the sole author of all work turned in, including computer programs. You must also properly cite any outside sources you used. Late homework will not be accepted, homeworks will be assigned every Friday and will be due by noon on Fridays in the grader’s mailbox in the math department.

- The final exam will be a take home exam. In case of a medical or family emergency, please contact me as soon as is practical, preferably before the exam. In such case: if valid and documented justification is provided, the weight of the missed exam may be shifted to the final exam.

Special Accomodations:

Students With Disabilities: Students with disabilities should provide me with a stamped accomodations sheet from the Accessibility and Disability Service (ADS).

Religious Observances: If you plan to be absent from class because of religious observances, please submit a list of the dates of your absences within the first week of classes

Academic Integrity:

All work that you submit must be your own. You are welcomed to discuss the material with each other in a general way, but you may not consult any one else’s written work. Any marked similarity in form between submissions with different authors might be regarded as evidence of academic dishonesty. You must cite any reference you use and clearly mark any quotation or close paraphrase that you include. Such citation will not lower your grade, although extensive quotation might. Homework should be done individually. The University of Maryland, College Park has a nationally recognized Code of Academic Integrity, administered by the Student Honor Council. This Code sets standards for academic integrity at Maryland for all students. As a student you are responsible for upholding these standards for this course. It is very important for you to be aware of the consequences of cheating, fabrication, facilitation, and plagiarism. For more information on the Code of Academic Integrity or the Student Honor Council, please visit Student Honor Council

Counseling: For confidential counseling and help with personal issues, students are encouraged to contact the UMD Help Center, 301-314-HELP (4357).