Instructor: Stephen Trefethen

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Office: Jones 100E
Office Hours: M 11-12PM, W 12-2PM, and by appointment
Course Website: https://blackboard.wm.edu
Course Text: *A Transition to Advanced Mathematics;*
         Smith, Eggen, and St. Andre.
Other Reference: *Mathematical Proofs–A Transition to Advanced Mathematics;*
         Chartrand, Polilmeni, and Zhang.

Course Policies:

- **Attendance Policy** You are expected to familiarize yourself with and abide by the university's code of student conduct. This includes turning off all electronic devices including cell phones prior to the beginning of class. Also, be respectful to those around you by keeping conversations to a minimum. Attendance is strongly recommended. You are responsible for any and all material covered in class. A student may drop this course with deletion from record by Friday, January 31, 2025. The last day to withdraw is Monday, March 24, 2025.

- **Grades** Grades will **<u>NOT</u>** be discussed via e-mail (FERPA). This includes homework, exam, and final course grades. Instead, all grades will be posted on Blackboard. You may also discuss grades in person.

- **Homework and Quizzes** There will be roughly one homework assignment to submit each week, and a quiz or exam every other week. On the final page, there is a list of homework due dates and quiz dates. Homework assignments are posted in the Assignments tab on the course Blackboard site. Each homework and quiz will be graded thoroughly. I will **not** accept late homework. You will have the option to resubmit corrected homework and quizzes for the opportunity to earn back all points lost on homework and half credit on quizzes, provided that an honest attempt was made on the first submission. Revisions due dates will be announced when the first submission is returned. I will average the homework and quiz scores as a percentage out of 35. You **<u>must</u>** use LaTeX to typeset your homework. Here are instructions for downloading the typesetting program onto your PC:

  ```
  For window users,
  (a) download the MikTex program from http://miktex.org/download;
  (b) then download the Texmaker program from http://www.xm1math.net/texmaker/download.html;
  (c) then open the program "texmaker";
  (d) copy (or download and then open) the "homework.tex" file (found on Blackboard)
      to the texmaker window;
  (e) select "LaTex" from the "Quick Build" menu;
  (f) click the "=>" arrow on the left of "Quick Build" to get the pdf output.
  For Mac users,
  (a) download MacTex from http://tug.org/mactex/;
  (b) open the "texshop" program,
  (c) copy (or download and then open) the "homework.tex" (found on Blackboard)
  ```

```
        file to the texshop window;
(d) change "PlainTex" to "LaTex" at "Typeset" menu;
(e) click "Typeset" icon to get the pdf output.
```

You can also use www.overleaf.com to LaTeX your homework. You should print off and submit a hard copy (PDF version) of the homework on the due date.

- **Exams** There will be two exams during the semester and a final exam. The final will be a comprehensive exam of the material covered in MATH 214. The final exam will be given on Friday, May 9, 2025, 9:00AM-12:00PM. Everyone must take the final at this time. Any student failing to take the final on this date (again, provided there is no excuse from the dean) is subject to receiving either a zero on the final or a grade of Incomplete for the course. The university's exam regulations will be strictly followed. Your final exam score may replace your lowest attempted test score if it is higher. I have tentatively scheduled the exams as follows:

Exam	Tentative Date	Material Covered
1	Wednesday, 2/26/25	Sections from Chapters 1 and 2
2	Wednesday, 4/16/25	Sections from Chapters 2, 3, and 4

- **Make-Up Exam Policy** If you should miss an exam for a valid reason, I will give a make-up exam if ALL of the following are met:

  1. I am notified 24 hours after the exam, or a sufficient time period before the exam.
  2. You have a good reason for missing the exam as judged by me. Verification will be required.
  3. Hard work and consistent attendance have demonstrated your sincerity in the course.

- **Grade Distribution**

Homework and Quizzes	35%
Exams 1 and 2	40%
Final Exam	25%

- **Letter Grade Distribution**

≥ 93.00	A	73.00 - 76.99	C
90.00 - 92.99	A-	70.00 - 72.99	C-
87.00 - 89.99	B+	67.00 - 69.99	D+
83.00 - 86.99	B	63.00 - 66.99	D
80.00 - 82.99	B-	60.00 - 62.99	D-
77.00 - 79.99	C+	≤ 59.99	F

A grade of Incomplete (I) will be given if ALL of the following conditions are met:

1. The student has completed all but a small portion of the required work.
2. The student has scored at least 50% on the work completed.
3. The student has a valid reason for not completing the course on time.
4. The student agrees to make up the material in a short period of time.
5. The student asks for the incomplete before grades are due.

- **Academic Honesty Policy Summary:**

  Academic honesty will be expected from each student. This includes homework assignments and examinations. You are expected to be familiar with and abide by the University's Code of Academic Conduct and Honor Code. Anyone found to be in violation of the code would be given an appropriate sanction according to university guidelines. For more information, go to the following website: http://www.wm.edu/offices/deanofstudents/services/studentconduct/studenthandbook/index.php.

- **Students With Disabilities:**

  If you anticipate issues related to the format or requirements of this course, please meet with me to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is important that you be registered with Student Accessibility Services:

  http://www.wm.edu/offices/deanofstudents/services/studentaccessibilityservices/

  You should notify me of your eligibility for reasonable accommodations by Friday, January 31. At that point, you and I can plan how best to coordinate your accommodations.

Written Homework and Quiz Schedule:

	HW Due Date/Quiz or Exam Date	Sections Covered
Homework 1	1/29	1.1
Quiz 1	1/29	
Homework 2	2/5	1.2, 1.3
Homework 3	2/12	1.4
Quiz 2	2/12	
Homework 4	2/19	1.5
Homework 5	2/26	1.6, 2.4, 2.6
Exam 1	2/26	Chapters 1 & 2
Homework 6	3/5	2.1, 2.2
Homework 7	3/19	2.2, 2.3
Quiz 3	3/19	
Homework 8	3/26	Number Theory, 3.1
Homework 9	4/2	3.2, 3.3
Quiz 4	4/2	
Homework 10	4/9	4.1-4.4
Homework 11	4/16	5.1-5.4
Exam 2	4/16	Chapters 2, 3, & 4
Homework 12	4/23	5.1-5.4
Homework 13	4/30	5.1-5.4
Quiz 5	4/30	