Course Details

Instructor: Jamie Conway (he/him)
E-mail: **jiconway@umd.edu (mailto:jiconway@umd.edu)**
Office: Kirwan 2101
Office hours in Kirwan 2316: Monday 2–3, Tuesday 1:15–2:30
Office hours on Zoom: TBA

TA Contact/Office Hours: **click here! (https://umd.instructure.com/courses/1374575/pages/office-hours)**

Important Links

Zoom link (https://umd.zoom.us/j/96048996920?pwd=RFplTk9iSlk1WVlSSFAvaDJ1MHRCdz09) **Gradescope (https://www.gradescope.com/courses/811526)** — for quizzes, exams, and matlab assignments; entry code: BK2YKB
ADS (https://counseling.umd.edu/ads/prospective) students should speak to the instructor as soon as possible, even if you don't have a letter yet.
Class notes (https://1drv.ms/o/c/e7ce633c7678fb40/EhdnGC-aKQtGq7H5uiaeh_0Beu0GYAHEx4GAurli8cAPIg) — via OneNote; or see the PDFs in the Files section

Textbook and Assessments

Instead of a printed textbook, we will use the notes online **here (https://courses.math.umd.edu/math246/NODE/2223F/)** (you may need to log in with your UMD credentials). We will not have graded homework, but instead, I will provide you with **recommended exercises (https://umd.instructure.com/courses/1374575/pages/recommended-exercises)** to work on at home and with your TAs.

You will have Matlab assignments during the semester that **will be graded**. You may work on these in groups of up to three students, and you will submit these assignments via Gradescope (link above). Late assignments will not be accepted. There is also a textbook assigned to help you with Matlab, called *Differential equations with MATLAB* (third edition revised edition, copyright 2000, 2005, 2012, 2019) by Hunt, Lipsman, Osborn and Rosenberg. It is published by John Wiley and Sons, ISBN 978-1-119-23114-1 (ebook) and 978-1-118-37680-5 (print). Please note there is also an older version of the third edition with the same ISBN, with a 2012 copyright. Some aspects of that book are deprecated, so don't get that version.

There will be quizzes every non-exam week (except week 1) in discussion section. There will be three in-class exams, as well as a comprehensive final exam. All of the quizzes, exams, and final are closed book, with no notes, cheat sheets, or calculators.

Grading scheme

Your grade will be calculated as follows:

- Matlab assignments — 18% (which is 6% each)
- Quizzes (drop two lowest) — 17%
- Two best in-class exams — 17% each
- Worst in-class exam — 8%
- Final exam — 23%

The grading scale is:

- A: 90–100%
- B: 80–89%
- C: 70–79%
- D: 60–69%.

Grades are rounded up. Plus and minus grades will be given, with boundaries at ..7 and ..3, respectively.

Other resources

Office hours — please make use of my office hours and your TA's office hours (see above for details)
Justin Wyss-Gallifent's Math 246 notes and past exams (https://math.umd.edu/~immortal/MATH246/)
Terence Long's Math 246 lecture videos (https://www.youtube.com/playlist?list=PL7RK4EsMAcJKgJXRKXKObYFH_JdWTubU-)
Test Bank (https://drive.google.com/drive/folders/0B9lw6R7OblHhfm0wdXQtUXpra1FnRXFEa3Fta3VRQVpoRnNYR283Y3ZHVG1ESEF1VGdsQ00?resourcekey=0-CwroXczsaxzATCzu9v7F3g) — Past final exams for Math 241
Walk-in tutoring (https://www-math.umd.edu/math-tutoring-schedule.html) — look for Math 246 and/or Matlab
Math success (https://tltc.umd.edu/students/get-help-class/math-success-program) tutoring — The Math Success Program offers math coaching on Sunday–Thursday during the Fall and Spring semesters.

Class policies

(http://www-math.umd.edu/testbank.html)

Math department policies on names/pronouns, interpersonal communication, mandatory reporting, along with tips for success, can be found **here (https://www-math.umd.edu/images/CoursePolicies.pdf)**
.

The University has a nationally recognized Honor Code, administered by the Student Honor Council. The pledge, approved by the University Senate, reads: “I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination.” The Pledge should be handwritten and signed on all tests in this course. In conjunction with the University’s Code of Academic Integrity, allegations of academic dishonesty will be reported to the Honor Council.

(http://www-math.umd.edu/testbank.html)

If an error in grading has been made, you must submit a regrade request via Gradescope.

Course details

(tentative; will be updated throughout the course to reflect reality)

Date	Notes Sections	Matlab/Quizzes
Tuesday, August 27	0, I.1(.1–.2.3), I.2	
Thursday, August 29	I.3(.1–.4)	
Tuesday, September 3	I.4, I.5	**Quiz 1 on September 4 on 0, I.1–I.3**
Thursday, September 5	I.6(.1–.4)	
Tuesday, September 10	I.6(.1–.4), I.7(.1–.4)	**Quiz 2 on September 11 on I.4–I.6.3**
Thursday, September 12	I.7(.1–.4)	
Tuesday, September 17	I.9	**Quiz 3 on September 18 on I.6.4, I.7, I.9.1–I.9.2**
Thursday, September 19	II.1	
Tuesday, September 24	**Exam 1**	

Thursday, September 26	II.2, II.3	
Tuesday, October 1	II.2, II.3	**Matlab Project 1 due on Monday, September 30** **Quiz 4 on October 2**
Thursday, October 3 **(pre-recorded)**	II.4, II.5	
Tuesday, October 8	II.5, II.6	**Quiz 5 on October 9**
Thursday, October 10	II.6, II.7	
Tuesday, October 15	II.7, II.8	**Quiz 6 on October 16**
Thursday, October 17 **(pre-recorded)**	II.8, II.9	
Tuesday, October 22	**Exam 2**	
Thursday, October 24 **(pre-recorded)**	II.9	
Tuesday, October 29	II.9	**Quiz 7 on October 30**
Thursday, October 31	II.9, III.1	
Tuesday, November 5	III.1, III.3	**Matlab Project 2 due on Monday, November 4** **Quiz 8 on November 6**

Thursday, November 7	III.2	
Tuesday, November 12	III.5	**Quiz 9 on November 13**
Thursday, November 14	III.4	
Tuesday, November 19	**Exam 3**	
Thursday, November 21	III.7	
Tuesday, November 26	III.8	
Thursday, November 28	**No class for Thanksgiving**	
Tuesday, December 3	III.9	**Matlab Project 3 due on Wednesday, December 4** **Quiz 10 on December 4**
Thursday, December 5	III.10	
Wednesday, December 11	**Final Exam** **4pm – 6pm** **Locations: TBA**	