MATH 2705W—Technical Writing in Mathematics
Section 001—Fall 2026

Class Meetings:	Fridays, 9:05-9:55 am MONT 113
Professor:	Erin Rizzie, Ph.D.
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Office:	MONT 411
Office Hours:	Mondays 3:30-4:30 pm
	Wednesdays 8:30 am-9:30 am
	Fridays 2:30-3:30 pm
	or let me know if these times don't work so we can set up an appointment

Course Description. This goal of this course is to introduce formal writing in mathematics. A large portion of the course is devoted to learning LaTeX (or LaTeX, pronounced "lay-tech"), a typesetting software used in math and science. We will learn to

- Write about mathematics in a clear and organized manner.
- Present mathematical ideas clearly and concisely for readers.
- Think about different audiences for mathematical writing.
- Explain mathematical proofs so readers can easily understand them.
- Use clear, appropriate examples to explain mathematical ideas.
- Develop documents and presentations effectively communicating mathematical ideas.

Class Meetings. Each Friday, we will meet to discuss tools and standards for mathematical writing, complete writing activities, and review/revise first drafts of assignments. *Attendance is required* so that you can submit the initial stages of the assignments and engage in peer revision. If you need to miss a class, pleae contact me as soon as you know you will miss the class so that we can make alternate arrangments.

Assignments. You will complete five writing assignments during the semester, each one worth 20% of your course grade. Each assignment will be started in class (so plan to be here every week!) and revised before the final submission deadline. Each assignment will have multiple due dates (outline or initial work in class, first draft, final draft) listed on each assignment sheet, available in HuskyCT before the final due date. Work done during each week's class meeting will contribute to your grade for each assignment.

Resources. There is no required text for the course, though *Mathematical Writing* by Franco Vivaldi is a good resource.

These are useful LaTeXresources:

- A quick guide to LaTeX
- The Not So Short Introduction to LaTeX
- A Quick Introduction to LaTeX (YouTube video)
- Sample LaTeX files

- Geogebra for drawing diagrams that can included in LaTeX documents.

These are useful resources on mathematical writing:

- Good Mathematical Writing by Francis Edward Su
- How to Write Mathematical Papers by Bruce C. Berndt
- Advice on Mathematical Writing by Keith Conrad

LaTeX. We will spend a significant amount of time learning how to use LaTeX. You are welcome to install LaTeX on your computer, but this is not necessary. I recommend creating an account on Overleaf where you can store files and create documents entirely online.

W Course Policies. According to university-wide policies for W courses, you cannot pass this course unless you receive a passing grade for its writing components, which must undergo a feedback and revision process for a passing grade.

Accordingly, your portfolio of assignments will not be considered for a passing course grade unless you have participated in the (in- and out-of-class) writing revision process for each assignment to bring it to a passing standard.

Academic Honesty. You must complete all assignments on your own. You are welcome to discuss general ideas we talk about in class and techniques and tools for mathematical writing with anyone, but all work on assignments must be yours alone. This means you should not discuss anything related to the content of an assignment with anyone but your professor, and you should not use generative AI tools (ChatGPT, Copilot, etc.) to outline, generate, revise, or typeset drafts. You should also not view anyone else's work on an assignment or share your own work on an assignments. The only exception is when we have structured in-class discussion and peer revision. Any violation of this policy only undermines the goals of our class and serves as a detriment to students' learning. Consequences of violating this policy include a score of zero on the assignment or an F in the course.

Access to the Course. If you have any accessibility concerns during our course, please get in touch with me and UConn's Center for Students with Disabilities (860-486-2020, 860-553-3243 (video), `https://csd.uconn.edu`) so that we can ensure that the appropriate accommodations are in place.

Student Support Services.

Dean of Students (860-486-3426, `https://dos.uconn.edu`) advocates for students in any circumstances affecting their academic or community life or personal goals. The office is a central resource that connects students to a range of offices and individuals on campus.

Student Health and Wellness (860-486-4705, `https://studenthealth.uconn.edu`)

Tentative Schedule of Due Dates and Work In Class for Credit

	Assignment 1	Assignment 2	Assignment 3	Assignment 4	Assignment 5
Sep 4	Sandwiches Activity				
Sep 11	LaTeX Intro				
Sep 18	1st draft work				
Sep 25	1st draft due peer revision				
Oct 2		Start in class			
Oct 9	final draft due	1st draft due peer revision			
Oct 16		final draft due	topic choice due outline in class		
Oct 23			outline due first draft in class		
Oct 30			first draft due peer revision	topic choice due	
Nov 6			final draft due	outline due work on 1st draft	
Nov 13				peer revision	
Nov 20					topic choice due outline in class
Dec 4				final draft due	work on 1st draft
Dec 11					1st draft due peer revision
Dec 16					final draft due