

Math 4161 - Senior Seminar II

Fall 2024

M 12:20 - 1:15 pm in RBN 4025

Instructor: Dr. Maddie Dawsey
Office: RBN 4048
Office Hours: TuTh 8-9 am and We 1:30-3 pm, or by appointment
Email: mdawsey@uttyler.edu

Required Textbook

None.

Course Description

This is the second part of our two-part capstone course. This course is designed to evaluate what the student has learned as a math major at UT Tyler and to give the student an opportunity to explore additional mathematical ideas from start to finish outside the classroom with a faculty mentor.

Prerequisites: The student must be within 2 semesters of graduation with a BS in Mathematics.

Student Learning Outcomes

By the end of the course, students should be able to do the following:

- Construct a well-written mathematical research paper.
- Typeset a mathematical document using LaTeX.
- Prepare a professional mathematics presentation using LaTeX.

Important Dates

September 2	Labor Day Holiday
September 9	Census Date
November 4	Withdrawal Deadline
November 25-29	Thanksgiving Break
December 9-13	Final Exams

Assignments and Grading

Poster Presentation: You will construct and present a poster based on the research you do throughout the semester. All members of the mathematics faculty will be present during the poster session, and each professor will assess your poster. Based on these assessments, your advisor will assign a grade.

Final Paper: You will also write a final paper on your research. Your advisor will evaluate your paper and assign a grade.

Grading: Your advisor will assign you a letter grade based on your final paper and poster presentation.

Attendance

We will not usually meet as a class. It is up to you and your advisor to meet regularly.

Technology

Students are required to have a device capable of internet access and access to Canvas. The use of artificial intelligence (AI) is not permitted in this course, as being able to use your own brain and your own experiences to write about mathematics is essential in careers that require a BS in Mathematics.

Plagiarism and Academic Dishonesty

Any work you submit must represent your own effort. If your advisor or I determine that this is not the case, we will prosecute plagiarism and academic dishonesty to the fullest possible extent.

University Policies

For university policies concerning Students' Rights and Responsibilities, Grade Replacement/Forgiveness, State-Mandated Drop Policy, Disability Services, Student Absence due to Religious Observance, Student Absence for University-Sponsored Events and Activities, Campus Carry, Social Security and FERPA Statement, please see the University Information module on the course Canvas page.

Tentative Schedule

Week 1: Reach out to your advisor to set up weekly meetings.

Week 13: Poster presentations will be this week (the Wednesday before Thanksgiving Break).

Week 14: Your final paper should be completed and submitted to your advisor by the end of this week (the week after Thanksgiving Break).