

Sul Ross State University
Course Syllabus
MATH 4390-001, MTH 4390-W01: Senior Project
Spring 2026

Instructor: Dr. Angela M. Brown

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Office Hours: 10-12 M, 2-4 W, 3:30-5 TR, others by appointment

Time and Place of Class Meetings: In person or online

Prerequisites: Upper Division Standing

Mathematics Program Learning Objectives: The graduating student should be able to

- Apply knowledge of basic mathematics principles.
- Identify and provide valid proofs or solutions for theorems or problems.
- Recognize and dispute invalid mathematical statements by using counter-examples.

Marketable Skills: Mathematics BS

- Students Demonstrate Logical and Analytical Skills.
- Students Demonstrate Problem-Solving Using Analytic and Algebraic Methods.
- Students Use Technology in Problem-Solving and Presentation.
- Students Use Communication and Pedagogical Skills.

Grading Scale: 90-100 A, 80-89 B, 70-79 C, 60-69 D, 59-Below F

Grading Policy: The grade weighting will be as follows:

Attendance: 10%

Topic : 10%

Presentation 1: 10%

Presentation 2: 35%

Paper: 35%

Attendance Policy: Students are expected to attend every meeting set with me. You will also be expected to attend the semester presentations of your classmates either in person or through Teams on Fridays 2-3. You are expected to check your Sul Ross e-mail account and Blackboard for class updates. Any absences except for emergencies should be discussed with me ahead of time.

Topic: Your topic must be approved before Friday, February 20. Any work up to that point will be potentially narrowing down your topic and understanding any preliminary knowledge you need for your project.

Presentations: A mathematics presentation must be given at the Texas Section meeting of the MAA or at the SRSU Symposium for 10% of the grade unless unforeseen circumstances keep you from attending either meeting. If this does happen, this 10% can potentially be shifted with your semester presentation if the reason is school related or medical. This presentation will be approximately 12 minutes long. Your main presentation will be 35% of your grade and will be between 30 and 50 minutes in length. This presentation will be on a Friday at 2 pm toward the end of the semester. These can be in person or through Teams. Please inform your instructor if you need more time than this.

Neither presentation has to be original research, but original work is required. You should work with your faculty member to help you create a good presentation.

Paper: You will write a paper on your topic. This paper should be 8-10 pages long not including your title page and your sources. You will use American Mathematical Society formatting and I expect your paper will be typed using Latex. In this first couple of weeks of class we will learn the basic of Latex and I will help you with any pieces that you lack understanding with. The paper should have 1 in margins, 12 point font, and be double spaced. Make sure any images are also properly sourced.

Americans With Disabilities Act: SRSU Accessibility Services. Sul Ross State University (SRSU) is committed to equal access in compliance with the Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the student's responsibility to initiate a request each semester for each class. Students seeking accessibility/accommodations services must contact Ronnie Harris, LPC, Counselor, at 432-837-8203 or email ronnie.harris@sulross.edu. Our office is located on the first floor of Ferguson Hall, room 112, and our mailing address is P.O. Box C122, Sul Ross State University, Alpine, Texas, 79832.

Counseling: Sul Ross has partnered with TimelyCare where all SR students will have access to nine free counseling sessions. You can learn more about this 24/7/365 support by visiting Timelycare/SRSU. The SR Counseling and Accessibility Services office will continue to offer in-person counseling in Ferguson Hall room 112 (Alpine campus), and Telehealth Zoom sessions for remote students and RGC students.

Library Services: The Bryan Wildenthal Memorial Library and Archives of the Big Bend in Alpine offer FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, library.sulross.edu/. Off-campus access requires logging in with your LobolID and password. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or by phone (432-837-8123).

No matter where you are based, public libraries and many academic and special libraries welcome the general public into their spaces for study. SRSU TexShare Cardholders can access additional services and resources at various libraries across Texas. Learn more about the TexShare program by visiting library.sulross.edu/find-and-borrow/texshare/ or ask a librarian by emailing srsulibrary@sulross.edu.

Mike Fernandez, SRSU Librarian, is based in Eagle Pass (Building D-129) to offer specialized library services to

students, faculty, and staff. Utilize free services such as InterLibrary Loan (ILL), ScanIt, and Direct Mail to get materials delivered to you at home or via email.

Academic Integrity: Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. A scholar is expected to be punctual, prepared, and focused; meaningful and pertinent participation is appreciated. Examples of academic dishonesty include but are not limited to: Turning in work as original that was used in whole or part for another course and/or professor; turning in another person's work as one's own; copying from professional works or internet sites without citation; collaborating on a course assignment, examination, or quiz when collaboration is forbidden.

Generative Artificial Intelligence (AI): The University does not recommend or endorse any specific AI tools or resources. Students should be aware that many generative AI tools (e.g., ChatGPT, Google Gemini, Microsoft Copilot) store user input and may use this data to train future models. For this reason, students should never upload or share personal, confidential, or identifiable information—such as names, ID numbers, health data, or assignment submissions containing such details—into any generative AI platform. When using AI tools, students should verify whether the tool complies with student privacy standards as indicated by the University. Faculty may recommend specific tools that better align with institutional data privacy policies, but ultimate responsibility for data protection rests with users. Students are encouraged to use faculty-recommended platforms when engaging in coursework involving generative AI. The University is not liable for any adverse experience or impact when students interact with these tools.

Student Responsibilities : All full-time and part-time students are responsible for familiarizing themselves with the Student Handbook and the Undergraduate & Graduate Catalog and for abiding by the University rules and regulations. Additionally, students are responsible for checking their Sul Ross email as an official form of communication from the university. Every student is expected to obey all federal, state and local laws and is expected to familiarize themselves with the requirements of such laws.

Classroom Climate of Respect: Importantly, this class will foster free expression, critical investigation, and the open discussion of ideas. This means that all of us must help create and sustain an atmosphere of tolerance, civility, and respect for the viewpoints of others. Similarly, we must all learn how to probe, oppose and disagree without resorting to tactics of intimidation, harassment, or personal attack. No one is entitled to harass, belittle, or discriminate against another on the basis of race, religion, ethnicity, age, gender, national origin, or sexual preference. Still, we will not be silenced by the difficulty of fruitfully discussing politically sensitive issues.

Supportive Statement: I am to create a learning environment for my students that supports various perspectives and experiences. I understand that the recent pandemic, economic disparity, and health concerns, or even unexpected life events may impact the conditions necessary for you to succeed. My commitment is to be there for you and help you meet the learning objectives of this course. I do this to demonstrate my commitment to you and to the mission of Sul Ross State University to create a supportive environment and care for the whole student as part of the Sul Ross Familia. If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you.

Tutoring: The Lobo Den Tutoring Center offers FREE tutoring support to help you excel in your courses. Whether you need assistance in Writing, Math, Science, or other subjects, we're here to help!

Important Information:

Drop-in and Scheduled Appointments: Flexible options to fit your needs. Hours of Operation: Monday–Friday, 8:00 AM – 5:00 PM. Workshops: Attend our regularly hosted academic workshops on STEM topics and professional development, often in collaboration with specialized faculty. Location: BWML Room 128. Contact Us: For more information or to book an appointment, email tutoring@sulross.edu or call (432) 837-8726. Looking for additional support?

Tutor.com offers FREE 24/7 online tutoring in over 200 subjects, including specialized support for ESL and ELL learners with native Spanish-speaking tutors. Access Tutor.com via Blackboard: Log in to your Blackboard account to get started anytime, anywhere. Take advantage of these valuable resources to boost your confidence and performance in your classes. We look forward to helping you succeed!

Important Dates:

Jan 14	First day of classes
Jan 19	Martin Luther King Jr. Day (no class)
Jan 20	Last day for late registration and schedule changes Payment deadline for students, 4 p.m.
Jan 30	Census day (Last day to drop a 16-week term course without creating an academic record)
Mar 9-13	Spring Break (no class)
Mar 16	Mid-term
Apr 3	Last day to drop a session I course with a 'W'. Drops must be processed and in the University Registrar's office
May 1, 4-6	Final Examinations (May 4 10:15-12:15 for this class)

Tentative Class Schedule-Subject to Change

Week	Dates	
Week 1	Jan 14-16	Read Syllabus, Start coming up with
Week 2	Jan 19-23	First meeting
Week 3	Jan 26-30	Preliminary work
Week 4	Feb 2-6	Preliminary work
Week 5	Feb 9-13	Preliminary work
Week 6	Feb 16-20 Have narrowed down topic picked	
Week 7	Feb 23-27	Work on project and presentation
Week 8	Mar 2-6	Work on project and presentation
Week 9	Mar 9-13	Spring break
Week 10	Mar 16-20	Work on project and presentation
Week 11	Mar 23-27	Work on project and paper and meet with committee
Week 12	Mar 30-Apr 3	
Week 13	Apr 6-10 Practice Run/Presentation Week, Present at SRSU Symposium	
Week 14	Apr 13-17 Practice Run/Presentation Week	
Week 15	Apr 20-24	Practice Run/Presentation Week
Week 16	Apr 27-May 1	