Sul Ross State University
Course Syllabus
MATH 1332-WDC: Contemporary Mathematics
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: Online

Description of Course Content: This course typically covers topics selected from the following: problem-solving, counting, the real number system, sets, geometry, solutions of linear and quadratic equations, elementary probability, financial math, the mathematics of voting, and fair division.

Prerequisites: Completion of MATH 0342 (A,B, or C) or passing TSI or Concurrent Enrollment

Required Textbooks: Viewing Life Mathamatically, 2nd Ed, You will need access to the online textbook and assignments.

Other Equipment Needed: calculator (cell phone is not an acceptable calculator), writing utensil, ruled paper or graph paper (for graphical presentation of data),some type of straight-edge or ruler (for graphical presentation of data). You may also want access to statistical software such as Excel. You will also need access to the internet to complete assignments. Note that iPads and chrome books do not always work well with Hawkes.

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

- The student will be able to demonstrate content knowledge of basic mathematical principles.
- The student will be proficient in logic, able to negate statements, provide counterexamples to false statements, and determine the validity of arguments.
- The student will be able to communicate mathematical content clearly and with valid reasoning.

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.

Course Objectives: By the end of the course, the successful students will be able to:

- Develop and apply logical reasoning techniques to solve a variety of mathematical problems.
- Solve problems related to arranging objects, selecting groups, and counting outcomes in various scenarios.
- Explore the properties and operations of real numbers.
- Apply set theory concepts to solve real-world problems and understand relationships between groups.
- Apply the process of solving linear and quadratic equations to model and analyze real-world situations.
- Understand the fundamental concepts of probability, including experimental and theoretical probability.
- Apply mathematical techniques to solve problems related to interest rates, investments, loans, and annuities.
- Analyze different voting systems and their characteristics, including fairness and representativeness.
- Study methods of dividing resources or goods fairly, such as dividing land, wealth, or other assets.

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:
Homework: 10%
Daily Projects: 15%
Quizzes: 20%
Chapter Projects: 25%
Exams 30%

Unless stated by your instructor for specific assignments, the use of Artificial Intelligence (AI) is expressly forbidden in this course. Any use of AI will be reported and a grade of F will be given for the course.

Homework: Homework will be assigned daily through the online homework system. Homework is graded on mastery. All homework along with due dates will be posted on the Hawkes Learning System. You can attempt a homework until you complete it, but you will be forced to go back to the practice mode if you miss too many problems. There will be a graduated point exemption for late assignments, but if unforeseen circumstances arise, please talk to me.

Daily Projects: To get more practice with real life problems, you will have mini projects for most sections. These will need to be hand-written, showing all work, and turned in on Blackboard. All of these should be relatively short and not take as long as the Chapter Projects.

Quizzes: You will have at least one quiz per chapter. Longer chapters may be broken up more. Quizzes will also be posted in Hawkes, but you will only have one opportunity to complete a quiz. You are allowed to use your textbook and/or notes, but these will have a time limit, so prepare accordingly before attempting a quiz. Work must also be attached to your quiz or emailed to your instructor when you complete your quiz to get credit.

Projects: In lieu of exams you will have chapter projects. These will be assigned for each chapter we complete. These will also be posted on Blackboard. These will need to be typed and submitted through Blackboard for

grading. For the projects, it is expected you will use mathematical software to work on these. Your answers are expected to be detailed and you also will need to turn in your work from any software used.

Exams: You will have 3 exams, each covering 3-4 chapters. Exams will be closed notes and closed books. You may be required to use the Respondus browser and/or monitor for any exams. Exams will be similar to quizzes in material and you will need to turn in any work.

Attendance Policy: Students are expected to attend every class. Since this is an online class, this would mean showing regular attendance by logging in and completing assignments by the due date. You are expected to check your Sul Ross e-mail account. Absences due to school functions should be discussed with your instructor in advance.

The university policy is to drop a student with a grade of "F" if 9 hours or more of class are missed. For this course that would be 3 weeks of not logging in.

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.

Couseling: Sul Ross has partnered with TimelyCare where all SR students will have access to nine free counseling sessions. You can learn more about this 24/7/356 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.

Tutoring Center: 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!

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 LobolD 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.

Student Responsibilities Statement: 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.

Distance Education Statement: Students enrolled in distance education courses have equal access to the university's academic support services, such as library resources, online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website.

Students should correspond using Sul Ross email accounts and submit online assignments through Blackboard, which requires a secure login. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website. Directions for filing a student complaint are located in the student handbook.

Academic Integrity:. Students in this class are expected to demonstrate scholarly behavior and academic honesty in the use of intellectual property. Students should submit work that is their own and avoid the temptation to engage in behaviors that violate academic integrity, such as 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. Students should also avoid using open AI sources unless permission is expressly given for an assignment or course. Violations of academic integrity can result in failing assignments, failing a class, and/or more serious university consequences. These behaviors also erode the value of college degrees and higher education overall.

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.

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
May 1, 4-6	Final Examinations

Tentative Schedule-Subject to Change

Week 1	Jan 14-16	Introduction, Ch 1: Critical Thinking and Problem Solving
Week 2	Jan 19-23	Ch 1: Critical Thinking and Problem Solving
Week 3	Jan 26-30	Ch 2: Set Theory
Week 4	Feb 2-6	Ch 3: Logic
Week 5	Feb 9-13	Ch 4: Ratios, Percentages, Rates, and Proportionality
Week 6	Feb 16-20	Ch 4: Ratios, Percentages, Rates, and Proportionality
Week 7	Feb 23-27	Ch 5: Algebra
Week 8	Mar 2-6	Ch 5: Algebra
Week 9	Mar 9-13	Spring Break
Week 10	Mar 16-20	Ch 6: Finance
Week 11	Mar 23-27	Ch 6: Finance
Week 12	Mar 30-Apr 1	Ch 13: Voting and Apportionment
Week 13	Apr 6-10	Ch 13: Voting and Apportionment
Week 14	Apr 13-17	Ch 10: Probability
Week 15	April 20-24	Ch 11: Statistics
Week 16	April 27-29	Ch 12: Data Science
	May 1, 4-6	Final Exam