

**Sul Ross State University**  
**Course Syllabus**  
**MATH 2414-001: Calculus II**  
**Spring 2020**

**Instructor:** Dr. Angela M. Brown

**Office Number:** ACR 107B

**Office Telephone Number:** (432)837-8223

**Email Address:** abrown4@sulross.edu

**Office Hours:** M 9:30-11:30 W 10-11 and 2-3, TR 3:30-5:00, others by appointment.

**Time and Place of Class Meetings:** TTh 11:00-12:15 ACR 108; Lab W 3:00-4:50 ACR 203

**Course Prerequisites:** Passing grades in MATH 2413 with a C or better (or equivalent, including passing appropriate placement exams).

**Course Objectives:** Students will be able to apply knowledge of basic mathematical principles such as evaluating limits, differentiation, and integration. Students will be able to apply this knowledge to definite integrals and their applications. Students will be able to use different techniques of integrations and will be able to work improper integrals. Students will be able to find whether sequences are convergent or divergent using various techniques.

**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:**

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

**Required Textbooks:** *Calculus Concepts & Contexts*, 4th ed, Stewart ISBN 0-495-55742-0. Homework will be assigned from the text.

**Other Equipment Needed:** paper and pencils.

**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:

Quizzes/Homework: 30%

Exams: 30%

Laboratories: 15%

Final Exam: 25%

or

Quizzes/Homework: 0%

Exams: 50%

Laboratories: 20%

Final Exam: 30%

Quizzes will be given periodically. Homework will be assigned daily and the weeks homework will be taken up at the beginning of class on assigned days which will be posted to Blackboards. Homework will be graded on completion and accuracy. Copying answers out of the back of the book is plagiarism and will be prosecuted. No make-up exams will be given. If there is a valid reason for missing an exam, then the grade for the missed exam will be replaced by the grade on the final exam. Otherwise, a missed exam will be a zero. Exams will be closed notes, closed book, and no calculator will be allowed unless otherwise stated. Any restroom breaks need to be taken before an exam starts. You cannot leave the classroom in the middle of an exam under any circumstances. Lab time will be used in a variety of ways. It may be used to answer questions we did not get to in class, extra assignments to gain a deeper understanding, or quizzes and exams. If exams are to be given during lab time, I will give ample notice.

Final Exam Date: Monday, May 4, at 10:15-12:15 pm.

**Attendance Policy:** Students are expected to attend every class. If class must be missed, the student is expected to get the notes from a classmate, and to check with me or on Blackboard for announcements and updated assignments.

Students are expected to arrive to class on time. If a student is perpetually late, they will be asked to not attend class unless they arrive on time. If tardiness becomes a problem for the class as a whole, people who arrive late will not be permitted to enter the class. If this stricter policy becomes necessary, there will be an announcement made in class.

If for some reason you need to leave class early, please inform me before class. If you leave class for the day without permission, then an in class assignment will more than likely be given that you cannot make up. If you need to go to the restroom during class, please do so quietly. You will not be allowed to go to the restroom during a quiz or exam.

It is policy of the university to drop a student with a grade of "F" if 9 hours or more of class are missed. For this course that would be 6 or more class sessions missed.

**Cell Phone Policy:** Cell phones are not allowed in class. They can not be used as calculators on any assignment. Any phone ringing during class will be taken up until the end of class. If a phone rings during a test or quiz, the student will forfeit their right to finish said test or quiz.

**Americans With Disabilities Act:** Sul Ross State University (SRSU) is committed to equal access in compliance with 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. Please contact me, Ms. Rebecca Greathouse Wren, M.Ed., LPC-S, Director/Counselor, Accessibility Services Coordinator, Ferguson Hall (Suite 112) at 432.837.8203; mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas 79832. Students should then contact the instructor as soon as possible to initiate the recommended accommodations.

**Important Dates:**

- January 13 First Day of Classes
- January 16 Last Day for Late Registration and Schedule Changes
- January 20 Martin Luther King, Jr. holiday
- January 29 12th Class Day
- March 9-13 Spring Break
- April 3 Last Day to Withdrawal from University or Drop Classes with a Grade of "W" (by 4 pm)
- April 29 Last Day of Classes
- April 30 Dead Day
- May 1, 4-6 Final Exams
- May 8 Commencement

Tentative Schedule-Subject to Change

	Tuesday		Thursday
Jan 14	Area	Jan 16	Definite Integrals
Jan 21	Definite Integrals	Jan 23	Fundamental Theorem of Calculus
Jan 28	Fundamental Theorem of Calculus & Velocity	Jan 30	Substitution Rule
Feb 4	Integration by Parts	Feb 6	Additional Techniques
Feb 11	<b>Exam 1</b>	Feb 13	Improper Integrals
Feb 18	Improper Integrals	Feb 20	More about Area
Feb 25	Volumes of Revolutions	Feb 27 2	Cylindrical Shells
Mar 3	Cylindrical Shells	Mar 5	<b>Exam 2</b>
Mar 17	Sequences	Mar 19	Sequences
Mar 24	Sequences	Mar 26	Catch Up Day/Conference
Mar 31	Series	Apr 2	Series
Apr 7	Integral Test	Apr 9	Comparison Test/Other Convergence
Apr 14	<b>Exam 3</b>	Apr 16	Taylor and Maclaurin Series
Apr 21	Taylor and Maclaurin Series	Apr 23	Applications of Taylor Series
Apr 28	Catch up/review day		