

South Plains College  
Department of Mathematics and Engineering  
MATH 2413 Calculus I  
Spring 2022 Course Syllabus

---

**Instructor:** Mrs. Bethany Goen, B.S., M.A.

**Telephone:** 806.387.2520.236

**Email:** [bethany.goen@seagravesisd.com](mailto:bethany.goen@seagravesisd.com)

**Facebook Page:** Mrs. Goen's Mathematics Class

**Office:** Room 41

**Office Hours:** M-Th 1:45pm-3pm, or by appointment

**Course Description:** MATH 2413. (4:3:2). CALCULUS I. M-F 8:50AM-9:35AM. Topics include functions, limits, continuity, differentiation, applications of the derivative, differentials, indefinite integrals, definite integrals, and applications of definite integrals. Prerequisite: MATH 2312

**Disclaimer:** The instructor reserves the right to alter any class policies/dates as deemed necessary by the instructor, and will announce any changes in class.

**Supplies:** You will need a graphing calculator, pencils, and paper. You may use either the TI-84+ or TI-nSpire CX (not the CX CAS) graphing calculators. Please use a notebook to keep all class notes, homework, and exams together, which will be useful for your comprehensive final exam. Please note: I require pencil on all graded work. You will be given one warning and after that, you will earn a zero on any work where you fail to follow my instructions.

**Textbook:** Larson, Ron, and Bruce H. Edwards. *Calculus of a Single Variable*. Brooks Cole, Cengage Learning, 2014.

**Grading Policy:** Grades will be posted on blackboard. If you think I have recorded a grade incorrectly, please notify me immediately and I will check my hard copy.

<u>Category</u>	<u>Percentage of Final Grade</u>	<u>Overall Grade</u>
Assignment Assessments	10%	A: 90%-100%
Quizzes	30%	B: 80%-89%
Exams	40%	C: 70%-79%
Comprehensive Final	20%	D: 60%-69%
		F: 0%-59%

#### Student Learning Outcomes (ASU)

- The student will demonstrate factual knowledge including the mathematical notation and terminology used in this course.** Students will read, interpret, and use the vocabulary, symbolism, and basic definitions used in Calculus I as they pertain to functions, limits, derivatives, and integrals.
- The student will describe the fundamental principles including the laws and theorems arising from the concepts covered in this course.** Students will identify and apply the laws and formulas that result directly from the definitions; for example, domain and range of a function, operations on functions, the limit laws, the differentiation formulas, and the Fundamental Theorem of Calculus.
- The student will apply course material along with techniques and procedures covered in this course to solve problems.** Students will use the facts, formulas, and techniques learned in this course to sketch graphs of functions, to study position-velocity-acceleration problems, to solve related rate and optimization ("max-min") problems, and to determine the area under the curve of a function.
- The student will develop specific skills, competencies, and thought processes sufficient to support further study or work in this field or related fields.** Students will acquire a level of proficiency in the fundamental concepts and applications necessary for further study in academic areas requiring Calculus I as a prerequisite, or for work in occupational fields requiring a background in Calculus I. These fields might include computer science, engineering, the physical and natural sciences as well as mathematics.

**Concerning Assignments & Assessments:** You should expect to spend as much time outside of class as you do in class completing homework problems and studying. Your goal is to acquire the skills necessary to be successful in any following mathematics course. Homework is an opportunity to learn and practice the art of mathematics. Please feel free to collaborate with your classmates, check the solutions in your book, watch videos on YouTube, such as those at KhanAcademy.org, or use resources such as desmos.com, wolframalpha.com, etc. If you are interested in passing the class, you will need to do well on the quizzes and tests. These assessments will be done independently and without the aid of any technology, with the exception of your calculator. Even when using calculators, one must show all pertinent work. To do well on the quizzes, you will need to not only complete the homework, but understand it. You should show all work when doing any assignment or assessment in this class, and it must be done in pencil. **There are no retakes or corrections in this class.** If you do poorly on an exam, you may replace up to one exam grade with the grade from your comprehensive final exam.

**Attendance:** In order to be successful, you must be in attendance. Class attendance may be taken at any time during the class period, so please do not be tardy or leave early. Failure to attend this class can result in an F on your transcript. If you should incur an absence, please refer to your syllabus, contact your professor, or contact another student to get the assignment completed BEFORE the next class. Late homework and makeup quizzes are not an option. If you miss an exam, a make-up exam will only be given if prior arrangements have been made, preferably prior to the exam day.

**Testing:** All tests will last one hour. Once you begin the exam, you will not be allowed to leave the classroom until the exam is submitted for grading. The use of electronics (smart phones and watches, computers, etc.) during an exam will earn you a zero on the exam. For other consequences, see the ASU policy on academic integrity.

---

All students are required to follow the policies and procedures presented in the Angelo State University Student Handbook and the Angelo State University Catalog.

**Academic Integrity:** Academic misconduct includes cheating and plagiarism. Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU. Plagiarism is a serious topic covered in ASU's Academic Integrity policy in the Student Handbook. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft. In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list. Papers are subject to be evaluated for originality via Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center.

**Copyright Statement:** Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

**Disabilities Statement:** ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation. Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website at [www.angelo.edu/ADA](http://www.angelo.edu/ADA). The employee charged with the responsibility of reviewing and authorizing accommodation requests is Dr. Dallas Swafford, Director of Student Disability Services. Contact: [dallas.swafford@angelo.edu](mailto:dallas.swafford@angelo.edu); 325-942-2047; Houston Harte University Center, 112.

**Incomplete Grade Policy:** It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See the ASU Operating Policy 10.11, Grading Procedures for more information.

**Student Absence for Observance of Religious Holy Days:** A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19, Student Absence for Observance of Religious Holy Day for more information.

**Title IX Pregnancy Accommodations Statement:** Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex. You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Miller, J.D. Contact: [angelo.edu/incident-form](http://angelo.edu/incident-form); Mayer Administration Building, Room 210; 325-942-2022; [michelle.miller@angelo.edu](mailto:michelle.miller@angelo.edu). Please note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171). For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit: [angelo.edu/title-ix](http://angelo.edu/title-ix).

**Attendance Policy:** Students are expected to attend all classes in order to be successful in a course. The student may be administratively withdrawn from the course when absences become excessive as defined in the course syllabus. When an unavoidable reason for class absence arises, such as illness, an official trip/activity, the instructor may permit the student to make up work missed. It is the student's responsibility to complete work missed within a reasonable period of time as determined by the instructor. Students are officially enrolled in all courses for which they pay tuition and fees at the time of registration. Should a student, for any reason, delay in reporting to a class after official enrollment, absences will be attributed to the student from the first class meeting. A student who does not meet the attendance requirements of a class as stated in the course syllabus and does not officially withdraw from that course by the official census date of the semester, may be administratively withdrawn from that course and receive a grade of "X" or "F" as determined by the instructor. Instructors are responsible for clearly stating their administrative drop policy in the course syllabus, and it is the student's responsibility to be aware of that policy. It is the student's responsibility to verify administrative drops for excessive absences through MySPC using his or her student online account. If it is determined that a student is awarded financial aid for a class or classes in which the student never attended or participated, the financial aid award will be adjusted in accordance with the classes in which the student did attend/participate and the student will owe any balance resulting from the adjustment.

---

**Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.**

### Tentative Course Schedule

January 18 - February 3	Limits	Quiz I, Quiz II
February 4, 2022 @ 9am	<b>Exam I</b>	Assignment I Due
February 7 – February 17	Derivatives	Quiz III, Quiz IV
February 18, 2022 @ 9am	<b>Exam II</b>	Assignment II Due
February 21 – March 10	Applications of Derivatives	Quiz V, Derivative Project
March 11, 2022 @ 9am	<b>Exam III</b>	Assignment III Due
March 21 – March 31	Integration	Quiz VI, Quiz VII
April 1, 2022 @ 9am	<b>Exam IV</b>	Assignment IV Due
April 4 – April 14	Differential Equations	Quiz VIII, Quiz IX
April 15, 2022 @ 9am	<b>Exam V</b>	Assignment V Due
April 18 – April 28	Applications of Integrals	Quiz X, Quiz XI
April 29, 2022 @ 9am	<b>Exam VI</b>	Assignment VI Due
May 2 – May 10	Tying It All Together	Quiz XII, Integral Project
<b>May 11, 2022 @ 9am</b>	<b>Final Exam</b>	<b>Congratulations...You Made It!</b>