Course Overview
Refer to the Course Content sheet for information on the topics covered in this course.

Required Use of Masks/Facial Coverings by Students in Class At Angelo State University
As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

Statement for Asynchronous Remote Sessions
To maintain academic quality while accommodating social distancing needs this semester, this course will use a split delivery model that combines face-to-face teaching with remote instruction.

The goal is to provide face-to-face instruction to students who want to return to campus, while also allowing students who may need to learn remotely to participate via virtual class sessions.

How Does It Work?
Your class will be divided and you will be placed into a smaller group of students to maintain physical distancing requirements in our assigned classroom space.

Your assigned group will receive a schedule of in-person class meetings. This schedule is not flexible. For instance, if you are supposed to attend class on a Monday, you cannot elect to go on Wednesday with another class group instead.

When you are not in the physical class, you will be responsible for completing assigned coursework in Blackboard. This work can be completed any time before the posted deadline.

Please refer to this Health and Safety web page for updated information about campus guidelines as they relate to the COVID-19 pandemic.
Textbook:  

MyMathLab/eBook:  
You may purchase a copy of the textbook for this course bundled with an access code for the online homework management system called MyMathLab, or you may purchase only the MyMathLab access code. The online access will be required for the completion of homework and also gives you access to an eBook and review materials. To create an account and purchase access, please visit MyMathLab via the link provided in Blackboard.

Blackboard  
Blackboard can be accessed through RamPort or by visiting [Blackboard](https://example.com). Homework assignments, exam dates, and other important class announcements will be posted in Blackboard.

Calculator  
A scientific calculator is the only type of calculator that is allowed in this course.  
**Non-graphing calculators are allowed.** The scientific calculator that is highly recommended is the TI-30XIIS.

Attendance  
Class attendance will be taken daily. Absences are reported to the administration and play an important role in suspension considerations. You are expected to attend all scheduled class meetings, arrive on time, and stay for the entire class period.

Expectations of Students  
It is your responsibility to:  
- Maintain academic integrity.  
- Complete each assignment by the specified due date.  
- Attend class consistently and in a timely manner.  
- Pay attention fully during class – remove distractions by turning off cell phones and other electronics.  
- Work outside of class on homework, problem sets, and review materials to master concepts and adequately prepare for exams.  
- Utilize, as needed, all available study-aid options (including visiting the math lab, meeting with the instructor, referring to outside texts, etc.) to resolve questions.

Grades  

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework/Problem Sets</td>
<td>15%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>15%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>15%</td>
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<tr>
<td>Exam 3</td>
<td>15%</td>
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<tr>
<td>Exam 4</td>
<td>15%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90% and above</td>
</tr>
<tr>
<td>B</td>
<td>80-89%</td>
</tr>
<tr>
<td>C</td>
<td>70-79%</td>
</tr>
<tr>
<td>D</td>
<td>60-69%</td>
</tr>
<tr>
<td>F</td>
<td>less than 60%</td>
</tr>
</tbody>
</table>

Study Aids  
- The Math Learning Lab offers free math tutoring and is located in LIB C302.  
- Math Lab Hours can be found at this location on the Angelo State University website:  

The mathematics department maintains a list of students who are interested in tutoring privately. Students who are interested in obtaining private tutoring should visit the department office (MCS 220) for more information.

Exams

- There will be four regular exams during the semester.
- Exact exam dates and coverage will be announced in class and on Blackboard. Each regular exam will account for 15% of your final grade.
- There will also be a comprehensive final exam on Monday, November 23rd from 1pm-3pm. The final exam will account for 25% of your final grade.
- If it is to your benefit, your final exam score will replace the lowest of your four regular exam scores at the end of the semester.
- There will be no make-up exams. If you know that you are going to miss an exam, you need to make arrangements with me beforehand. In the event of an emergency on the day of an exam, please contact me immediately.

Homework/Problem Sets

- There will be regular homework assignments in MyMathLab throughout the semester. It will be your responsibility to check MyMathLab for upcoming homework assignments. Homework will be assigned every class day with the exception of exam days. I will drop your three lowest homework grades at the end of the semester.
- Throughout the semester we may complete some pencil-and-paper problem sets.

Drop Date:

- **Tuesday, November 10, 2020** is the last day to drop a course with a W or withdraw from ASU.

Technology Requirements

For this class, you must have access to a computer, printer, webcam, and scanner.

University Policies:

**General Policies Related to this Course:** All students are required to follow the policies and procedures presented in these documents:

Angelo State University Student Handbook

Angelo State University Catalog

In the event that the university is closed for a scheduled class time, whatever was scheduled for that day and/or whatever was due that day will be scheduled and/or due on the next scheduled class time.

**Student Disability Services**

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.

The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting:

Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
325-942-2047  
dallas.swafford@angelo.edu

Title IX at Angelo State University
The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance. Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Boone, J.D.  
Director of Title IX Compliance/Title IX Coordinator  
Mayer Administration Building, Room 210  
325-942-2022  
michelle.boone@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form.v
If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

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 Dayvi for more information.

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 ASU Operating Policy 10.11 Grading Proceduresvii for more information.

Student Conduct Policies

Academic Integrity: 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.

The College of Science and Engineering adheres to the Statement of Academic Integrityviii
Plagiarism: 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 Policy: 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.

Student Learning Outcomes
1. **Students 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 Finite Mathematics I including exponents, factoring, linear and quadratic equations, number systems, functions, polynomials, logarithms, matrices, mathematics of finance, set theory, and basic probability.

2. **Students will describe the fundamental principles arising from the mathematical ideas associated to business applications.** Students will identify and apply the laws and formulas that result directly from the definitions; for example, the properties associated with probability models and probability experiments, the properties of exponents, logarithms, equations, and the formulas associated with the mathematics of finance.

3. **Students will apply the course material along with techniques and procedures covered in this course to solve business related problems.** Students will use the facts, formulas, and the techniques learned in this course to solve basic business problems. This includes applying probability models to business problems; solving annuity and interest problems; analyzing and interpreting graphs; converting logarithmic equations to exponential equations and vice-versa; using lines and their properties; performing matrix operations; graphing various function types; and employing the use of calculators and/or computers.

4. **Students 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 areas requiring Finite Mathematics I as a prerequisite. These areas might include business, marketing, finance, computer science, nursing, and the social sciences, as well as mathematics.

Course Content
The following chapters including the particular sections listed are covered.

1. **Algebra and Equations.** The real numbers; polynomials; factoring; rational expressions; exponents and radicals; first-degree equations; quadratic equations.

2. **Graphs, Lines, and Inequalities.** Graphs; functions; equations of lines; linear inequalities.

3. **Functions and Graphs.** Functions; graphs of functions; applications of linear functions; quadratic functions and applications.

4. **Exponential and Logarithmic Functions.** Exponential functions; logarithmic functions; logarithmic and exponential equations.
5. **Mathematics of Finance.** Simple interest; compound interest; annuities, future value, and sinking funds; annuities, present value, and amortization.

6. **Systems of Linear Equations.** Systems of two linear equations in two variables; larger systems of equations; basic matrix operations; matrix products and inverses.

7. **Sets and Probability.** Sets; introduction to probability; basic concepts of probability; conditional probability and independent events.

**Tentative Schedule**

Please note that this schedule is subject to change on a daily basis; check Blackboard for up-to-date information.

<table>
<thead>
<tr>
<th>Week</th>
<th>Materials Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Syllabus, Real Numbers, Polynomials, Factoring</td>
</tr>
<tr>
<td>2</td>
<td>Rational Expressions, Exponents &amp; Radicals</td>
</tr>
<tr>
<td>3</td>
<td>First-Degree Equations, Quadratic Equations</td>
</tr>
<tr>
<td>4</td>
<td>Review, Exam 1, Graphs, Equations of Lines</td>
</tr>
<tr>
<td>5</td>
<td>Linear Inequalities, Functions, Graphs of Functions</td>
</tr>
<tr>
<td>6</td>
<td>Applications of Linear Functions, Quadratics Functions and Applications, Review</td>
</tr>
<tr>
<td>7</td>
<td>Exam 2, Exponential Functions, Logarithmic Functions</td>
</tr>
<tr>
<td>8</td>
<td>Logarithmic and Exponential Equations, Simple Interest, Compound Interest</td>
</tr>
<tr>
<td>9</td>
<td>Future Value Annuities, Present Value Annuities,</td>
</tr>
<tr>
<td>10</td>
<td>Review, Exam 3, Systems of Two Linear Equations</td>
</tr>
<tr>
<td>11</td>
<td>Larger Systems of Linear Equations, Basic Matrix Operations, Matric Products and Inverses</td>
</tr>
<tr>
<td>12</td>
<td>Sets, Introduction to Probability, Basic Concepts of Probability</td>
</tr>
<tr>
<td>13</td>
<td>Review, Exam 4, Conditional Probability &amp; Independent Events</td>
</tr>
<tr>
<td>14</td>
<td>Review for the Final Exam</td>
</tr>
</tbody>
</table>

Final Exam on Monday, November 23rd @ 1pm

**Disclaimer**

This syllabus is current and accurate as of its posting date, but will not be updated. For the most complete and up-to-date course information, contact the instructor.

**Modifications to the Syllabus**

This syllabus, including grade evaluation and course schedule, is subject to modification. In particular, the COVID-19 pandemic may require significant changes in course delivery and content on potentially short notice.

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2. [http://blackboard.angelo.edu](http://blackboard.angelo.edu)
4. [http://www.angelo.edu/catalogs/](http://www.angelo.edu/catalogs/)
5. [http://www.angelo.edu/incident-form](http://www.angelo.edu/incident-form)
6. [http://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of](http://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of)
7. [http://www.angelo.edu/content/files/14197-op-1011-grading-procedures](http://www.angelo.edu/content/files/14197-op-1011-grading-procedures)