Math 1324
Finite Mathematics

Instructor: Mario Barrientos
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Phone: 325 486 5427
Office: MCS 209

Office Hours: MWF- 1030AM-1230PM, T-TR 9AM-11AM or by appointment.

Course Information

Textbook

Assignments
You will be assigned daily homework assignments which are generally due the next class day. I will not accept late assignments, however, I will drop two of your lowest homework grades. If you miss a test (an excused absence) I will replace the missing test grade with the final exam grade. I will only do this for one exam. Any other missing exams will be given a zero grade. Exam dates are: Feb 5, Mar 4, Apr 8, and the final on May 6. The final exam is mandatory.

Class rules
I keep a record of student attendance but your grade is not directly affected by absences, lateness, etc. Also, no cell phone use or eating is allowed in class.

Grading

Evaluation and Grades
Course grades will be determined as indicated in the table below.
<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percent of Total Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>homework</td>
<td>20</td>
</tr>
<tr>
<td>EXAMS</td>
<td>80</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
</tr>
</tbody>
</table>

**Grading System**

Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

- A = 90.00-100 points
- B = 80.00-89.99 points
- C = 70.00-79.99 points
- D = 60.00-69.99 points
- F = 0-59.99 points

(Grades are not rounded up)

**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](#)

**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 to disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university’s [Statement of Academic Integrity](#).

**Accommodations for Students with Disabilities**

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. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
325-942-2047  
dallas.swafford@angelo.edu  
Houston Harte University Center, Room 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 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 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.

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.

For more information about Title IX in general you may visit www.angelo.edu/title-ix.

Course Schedule

All items contained in this syllabus are subject to change as the semester progresses. Students will be notified in advance of any changes.

Course Content

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.

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

**Schedule (subject to revision)**

1. Introduction
2. Introduction
3. Integral Exponents
4. Rational Exponents
5. Radicals
6. Algebraic Expressions
7. Factoring
8. Algebraic Fractions
9. Review
10. Linear Equations and Inequalities
11. Test 1
12. Functions
13. Linear Functions
14. Linear Systems
15. Business Applications
16. Quadratic Equations
17. Quadratic Functions
18. Business Applications
19. Matrices
20. Multiplication of Matrices
21. Gauss-Jordan Elimination
22. Review
23. Test 2
24. Exponential Functions
25. Logarithmic Functions
26. Logarithmic Functions
27. Exponential and Log Equations
28. Simple Interest
29. Compound Interest
30. Geometric Sequences
31. Future Values of Annuities
Present Values of Annuities
Loans and Amortization
Review
Test 3
Probability Basics
Addition Rules
Conditional Probability
Multiplication Rule
Bayes’ Formula
Review
Test

1 https://www.angelo.edu/student-handbook/
2 https://www.angelo.edu/catalogs/
3 https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
4 https://www.angelo.edu/services/disability-services/
5 https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
6 https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of