

# MATH 1324

## Finite Mathematics



### Instructor: Wayne Humphrey

Email: [travis.humphrey@angelo.edu](mailto:travis.humphrey@angelo.edu)

Phone: 325-486-5419

Office: MCS 205H

#### Office Hours: Via Blackboard Collaborate

<i>Day</i>	<i>Hours</i>
Monday	5:00 PM TO 6:00 PM(MCS 205H)
Tuesday	5:00 PM TO 6:00 PM(MCS 205H)
Wednesday	5:00 PM TO 6:00 PM(VIRTUAL)
Thursday	5:00 PM TO 6:00 PM(VIRTUAL)
Friday	5:00 PM TO 6:00 PM(VIRTUAL)

## Course Information

### Course Description

Topics include basic algebra, linear equations, quadratic equations, functions and graphs, inequalities, logarithms and exponential functions, mathematics of finance, linear programming, matrices, systems of linear equations, and applications to management, economics, and business.

### Prerequisite:

Completion of Mathematics Texas Success Initiative (TSI) requirements.

### Course Delivery

This is an online course that will be delivered via [Blackboard](#).<sup>1</sup> If you choose, you can complete this course without visiting the ASU campus.

## Required Texts and Materials

*Finite Mathematics with Business Applications, Libretexts.org. Angelo State University. (2021, May 29). <https://math.libretexts.org/@go/page/65777>*

Access to Blackboard is required. All homework, handouts and tests will be administered through Blackboard.

## Technology Requirements

To successfully complete this course, students need to have access to a computer to log in to Blackboard. Course videos, notes, homework, quizzes and other assignments will be posted in Blackboard.

## Communication

Faculty will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday. All office hours will be in Bb Collaborate. A link for office hours is posted in Blackboard.

# Grading

## Evaluation and Grades

Course grades will be determined as indicated below.

- Homework: Homework will be assigned at the end of every lesson. You are expected to complete all homework problems in Blackboard. Homework will count 20% of your overall grade.
- Quizzes: Four quizzes will be taken online. These will count 20%
- Midterm Exam: A proctored midterm exam will be given the week of June 20. The midterm will cover material from quizzes 1 and 2. The midterm will count 30% of your overall grade.
- Final Exam: A comprehensive final exam will be given during the week of July 8. The final exam will be a proctored test. The final exam will count 30% of your overall grade.
- All grades will be posted in Blackboard as they are graded. Your overall average will be available in the Blackboard grade book. Final grades will be posted in RamPort at the end of the semester.

## 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

## 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](#)<sup>2</sup>
- [Angelo State University Catalog](#)<sup>3</sup>

### 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 university's [Statement of Academic Integrity](#).<sup>4</sup>

### 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](mailto:ADA@angelo.edu). For more information about the application process and requirements, visit the [Student Disability Services website](#).<sup>5</sup>

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

Dr. Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
325-942-2047

[dallas.swafford@angelo.edu](mailto: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](#)<sup>6</sup> for more information.

## **Plagiarism**

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)<sup>7</sup> 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. Resources to help you understand this policy better are available at the [ASU Writing Center](#).<sup>8</sup>

## **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](#)<sup>9</sup> for more information.

## **Title IX at Angelo State University**

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. You may submit reports in the following manner:

Online: [Incident Reporting Form](#)<sup>10</sup>

Face to Face: Mayer Administration Building, Room 210

Phone: 325-942-2022

Email: [michelle.miller@angelo.edu](mailto:michelle.miller@angelo.edu)

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 the [Title IX website](#).<sup>11</sup>

## Information About COVID-19

Please refer to ASU's [COVID-19 \(Coronavirus\) Updates](#)<sup>12</sup> web page for current information about campus guidelines and safety standards as they relate to the COVID-19 pandemic.

## Modifications to the Syllabus

This syllabus, including grade evaluation and course schedule, is subject to modification on potentially short notice based on developing circumstances.

## Course Schedule

Week	Topic	Assignments	Due Date
1	Introduction/Sets of Real Numbers	Watch Lecture video, complete practice assignment	6/13/2022
1	Exponents and Scientific Notation, Radicals and Rational Exponents	Watch Lecture video, complete practice assignment	6/13/2022
1	Polynomials and Factoring	Watch Lecture video, complete practice assignment	6/13/2022
1	Rational Expressions	Complete Quiz 1 by 6/13. Watch Lecture video, complete practice assignment	6/13/2022

2	Linear Equations in One Variable, The Rectangular Coordinate System	Watch Lecture video, complete practice assignment	6/20/2022
2	Slope and Equations of Lines, Models and Applications	Watch Lecture video, complete practice assignment	6/20/2022
2	Quadratic Equations, Other Types of Equations, Linear Inequalities and Absolute Value Inequalities	Watch Lecture video, complete practice assignment. Complete Quiz 2 by 6/20.	6/20/2022
3	Midterm Exam	Midterm must be completed on 6/24.	6/24/2022
3	Functions and Function notation/Domain and Range, Linear functions, Modeling with Linear Functions	Watch Lecture video, complete practice assignment	6/27/2022
3	Quadratic Functions, Applications of Quadratic Functions	Watch Lecture video, complete practice assignment	6/27/2022
3	Exponential functions and graphs, Logarithmic functions and graphs, Properties of logarithms, Exponential and Logarithmic Equations	Watch Lecture video, complete practice assignment. Complete Quiz 3 6/27.	6/27/2022
4	Simple Interest, Compound Interest	Watch Lecture video, complete practice assignment	7/5/2022
4	Annuities and Payout Annuities, Loans	Watch Lecture video, complete practice assignment	7/5/2022
4	Union Intersection and Complement, and Venn Diagrams, Introduction to Probability, Inclusion-Exclusion and Independence	Watch Lecture video, complete practice assignment	7/5/2022
5	Conditional Probability, Systems of Linear Equations	Quiz 4 7/5. Watch Lecture video, complete practice assignment	7/5/2022
5	Final Exam	During week of 7/7	7/7/2022

<sup>1</sup> <https://blackboard.angelo.edu/>

<sup>2</sup> <https://www.angelo.edu/current-students/student-handbook/>

<sup>3</sup> <https://www.angelo.edu/academics/catalog/>

<sup>4</sup> <https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=96>

<sup>5</sup> <https://www.angelo.edu/current-students/disability-services/>

<sup>6</sup> <https://www.angelo.edu/content/files/14197-op-1011-grading-procedures>

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<sup>7</sup> <https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=96>

<sup>8</sup> [https://www.angelo.edu/current-students/writing-center/academic\\_honesty.php](https://www.angelo.edu/current-students/writing-center/academic_honesty.php)

<sup>9</sup> [https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-](https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of)  
[of](#)

<sup>10</sup> <https://www.angelo.edu/incident-form>

<sup>11</sup> <https://www.angelo.edu/title-ix>

<sup>12</sup> <https://www.angelo.edu/covid-19/>