**WAYLAND BAPTIST UNIVERSITY**

**WBU ONLINE**

**SCHOOL OF MATHEMATICS & SCIENCES**

### Wayland Mission Statement:

Wayland Baptist University exists to educate students in an academically challenging, learning-focused, and distinctively Christian environment for professional success and service to God and humankind.

### Course Title and Number:

MATH 1300-VC01; Intermediate Algebra

### Term: Summer 2023

### Name of Instructor: Mrs. Sarah Fountain

## Office Phone Number and WBU Email Address:

## WBU Email: sarah.fountain@wayland.wbu.edu

## Land-line phone (please leave a message with your name and phone number, and I will call you back ASAP): 806-291-7996

### Catalog Description:

Basic concepts of algebra, real numbers, linear equations and inequalities, polynomials, factoring, systems of equations and inequalities, graphing and functions.

### Prerequisite: None

**Placement:** This class is generally for students with some background in high school algebra (at least a semester). If you have not had any algebra, MATH0326 Elementary Algebra is strongly suggested. If you have had two years of high school algebra with a “B” or better, ask whether you may take MATH 1304 (College Algebra).

### Required Materials:

**This will be available through Blackboard in VitalSource (inclusive access):** Enhanced WebAssign for Aufmann/Lockwood’s Mathematics: Journey from Basic Mathematics through Intermediate Algebra. ISBN-9781305578494 This is an online textbook with online homework - you cannot use anyone else’s access information.

**Supplies:**Scientific Calculator

**Optional Materials:**

(Physical Copy) Aufmann & Lockwood, Mathematics: Journey from Basic Mathematics through Intermediate Algebra, 1st Edition, Cengage Learning, ISBN: 1305761227, 2016

**The physical textbook is optional because e-textbook content is available and included in Cengage / WebAssign.**

### Course Outcome Competencies:

1. The student will be able to solve linear, absolute value, and polynomial equations.
2. The student will be able to solve simple and compound inequalities.
3. The student will be able to derive linear equations and to understand rate of change.
4. The student will be able to perform algebraic operations on polynomials, including factoring.
5. The student will be able to use systems of equations to model real world situations.
6. The student will be able to solve systems of equations using a variety of methods.
7. The student will develop logical reasoning skills.
8. The student will develop algebraic techniques necessary for problem-solving and mathematical modeling.

### Attendance Requirements:

As stated in the Wayland Catalog, students enrolled at one of the University’s external campuses should make every effort to attend all class meetings. No quizzes or exams can be made up unless arrangements prior to the absence have been made. Any student missing more than 25% of the class will fail the class. Additional attendance policies for each course, as defined by the instructor in the course syllabus, are considered a part of the University’s attendance policy. As an online course, attendance is measured with participation in activities (completing homework and quizzes.) Failure to complete 3 weeks of material is grounds for failure. Failure to start work before the census date may result in being dropped.

### Statement on Plagiarism and Academic Dishonesty:

Wayland Baptist University observes a zero-tolerance policy regarding academic dishonesty. Per university policy as described in the academic catalog, all cases of academic dishonesty will be reported and second offenses will result in suspension from the university.

### Disability Statement:

In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Coordinator of Counseling Services serves as the coordinator of students with a disability and should be contacted concerning accommodation requests at (806) 291-3765. Documentation of a disability must accompany any request for accommodations.

### Course Requirements and Grading Criteria:

**Video lectures and Lecture Notes:** Each topic will have a video lecture (prepared by Dr. Chris Thornhill, used by all WBU online algebra courses). There are fill-in-the-blank notes you should print out and complete while watching the videos - this is to provide a place to look back, since the textbook is not a physical printed book. For this course, I will not assign a grade for completing the Lecture Notes, so this is actually optional, but it is the suggested way of participating in the course.

**Homework Assignments:** You have homework exercises that must be completed for each section that we cover in the course. You will complete those online through the Cengage / WebAssign Course Interface. This can be accessed through Blackboard by clicking on any of the Homework assignment links posted at the end of the various lecture modules. You may rework missed exercises without penalty as many times as you wish before the due date. Late Homework assignments will have a 10% penalty for every day they are late. Homework assignments will not be available after Thursday after their due date. Homework assignments will be due at **11:59 p.m. (midnight) on the Sunday of each week**. You may work ahead on your homework assignments, but don’t lose track of the due dates!

**Quizzes:** By the end of each week of the course, you will be required to complete an online quiz covering the sections from that week. The deadline for completing this quiz will beat **11:59 p.m. (midnight) on the Sunday of each week.** You can take the quiz up to *three times* and your highest score will be counted. Each time you take the quiz, questions will be randomly generated, but of the same type. Quizzes will not be accepted late for any reason. You are encouraged to attempt them **before** the due date.

**Proctored Midterm & Final:** During the course, there will be two major exams: a Midterm (during Week 5) and a Final (during Week 8). Each test will cover half of the course. Both of these tests are to be taken in person at one of the external campuses or a testing center. They will be paper and pencil tests which will be emailed to your instructor for grading. They must be proctored by an approved representative of the University. You must make the appointment with your proctor between Monday and Saturday of the week when the test is made available. Tests can be taken EARLY if a student has been keeping up with the assignments and has already arranged for a Wayland-approved proctor. Otherwise, the student must arrange to take the test with an approved proctor between Monday and Saturday of the week assigned (Week 4 for the Midterm, and Week 8 for the Final).

**Grading**:

Homework . . . . . . . . . . . . . .20%

Quizzes . . . . . . . . . . . . . . . .25%

Proctored Midterm . . . . . . . . 25%

Proctored Final . . . . . . . . . . .30%

A: 90 – 100; B:  80 – 89; C:  70 – 79; D:  60 – 69; F: Below 60

Students shall have protection through orderly procedures against prejudices or capricious academic evaluation. A student who believes that he or she has not been held to realistic academic standards, just evaluation procedures, or appropriate grading, may appeal the final grade given in the course by using the student grade appeal process described in the Academic Catalog. Appeals may not be mad for advanced placement examinations or course bypass examinations. Appeals are limited to the final course grade, which may be upheld, raised, or lowered at any stage of the appeal process. Any recommendation to lower a course grade must be submitted through the Executive Vice President/Provost to the Faculty Assembly Grade Appeals Committee for review and approval. The Faculty Assembly Grade Appeals Committee may instruct that the course grade be upheld, raised, or lowered to a more proper evaluation.

### Tentative Schedule:

|  |  |  |
| --- | --- | --- |
| Week/Date: | Content covered | Due Date |
| Week 1:May 29 – June 3 | General equations, translating sentences into equations, motion and mixture problems | **Homework (7.1-7.3) and Quiz 1:** Sunday, June 4 at 11:59 p.m. |
| Week 2:June 5 - 10 | inequalities, rectangular coordinate system, functions  | **Homework (7.4, 7.5, 8.1,8.2) and Quiz 2**: Sunday, June 11 at 11:59 p.m. |
| Week 3:June 12 - 17 | Linear functions, lines: slope, equations, parallel and perpendicular | **Homework (8.3-8.6) and Quiz 3**: Sunday, June 18 at 11:59 p.m. |
| Week 4:June 19 - 24 | Linear equations with two variables, solving systems of equations: graphing and substitution or addition method  | **Homework (8.7, 9.1, 9.2, 9.4) and** **Quiz 4**: Sunday, June 25 at 11:59 p.m. |
| Week 5:June 26 – July 1 | Systems of inequalities, addition & subtraction of polynomials, multiplication of monomials, multiplication of polynomials, **Proctored Midterm** | **Proctored Midterm**: MUST be completed between Monday, June 26 and Saturday, July 1. Tests can be taken early by request.**Homework (9.5, 10.1-10.3) and Quiz 5**: Sunday, July 2 at 11:59 p.m. |
| Week 6:July 3 - 8 | Exponents and scientific notation, division of polynomials, common factors | **Homework (10.4, 10.5, 11.1) and Quiz 6**: Sunday, July 19 at 11:59 p.m. |
| Week 7:July 10 - 15 | Factoring polynomials, special factoring, solving equations | **Homework (11.2-11.5) and Quiz 7**: Sunday, July 16 at 11:59 p.m. |
| Week 8:July 17 - 22 | **Proctored Final Exam** | **Proctored Final:** MUST be completed between Monday, July 17 and Saturday, July 22. Tests can be taken early by request. |

### Important Dates:

Last day to withdraw with “W”: July 1

Last day to withdraw with a “WP/WF”: July 15

Last day of term: July 23

This syllabus is only a plan.  The teacher may modify the plan during the course.  The requirements and grading criteria may be changed during the course if necessary.

## ADDITIONAL INFORMATION

1. Most of the coursework will not be in Blackboard but instead at Cengage / Webassign.

You need to set up your student account at WebAssign before you begin any work in the course. Wayland now uses VitalSource etextbook for acquiring the WebAssign access code - see Blackboard for details. When setting up your WebAssign account follow any of the homework or quiz links in Blackboard with the blue star / swirl.

1. Both the Midterm and the Final are paper and pencil tests and must be administered by a Wayland-approved proctor.

If you live in a city with a Wayland campus, you must take the tests on that campus, so you do not need to submit a proctor request form. However, you should contact the campus **the week before your test** to arrange a date and time for you to take the test, to find out where the test will be administered, and to give them the course number (MATH1300) and instructor name (Mrs. Fountain).

For the Plainview campus, contact the Virtual Campus offices at 800-203-9048.
For external campuses, see the listing at<http://www.wbu.edu/about_wayland/campus_locations/> for contact information.

If you cannot take the tests on a Wayland campus, you must have your proctor approved by Wayland before they can administer the tests. The proctor must be approved every term (but only once per term) even if they have proctored tests for Wayland in past terms. Commonly used proctors are librarians holding a Master of Library Sciences, authorized employees at U.S. Military Education centers, and college testing centers (like Sylvan Learning). See the proctor request form for more details.

The proctor request form is located at <https://www.wbu.edu/wbu-online/current-students/proctored-exams.htm> . Once the form is filled out, the proctor will receive an email requesting they provide certain information for verification. When the information has been provided, the Virtual Campus will approve or deny the request and will notify both the student and the proctor by email. **This entire process must be completed more than a week before the Midterm**. Do not forget to contact the proctor the week before the test to arrange a date and time and location (and to let them know the course number and instructor name).

Please email me with any questions you may have:

Mrs. Fountain’s email: sarah.fountain@wayland.wbu.edu