**WAYLAND BAPTIST UNIVERSITY**

**PLAINVIEW CAMPUS**

**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-VC01/02; Intermediate Algebra

**Term:** Fall 2 2020

**Name of Instructor:** Dr. Elise Adamson

**Office Phone Number and WBU Email Address:** (806) 291-1129; adamsone@wbu.edu

**Office Hours, Building, and Location:**

Moody Science Building (MSB), Room 123 (Inside Room 118) or by email

 Monday 8:00-11:30, 1-1:45

Wednesday 8:00-11:00, 1-1:45

Friday 8:00-10:00

Office hours subject to change, any changes will be posted.

**Class Meeting Time and Location:**

online

**Catalog Description:** Basic concepts of algebra, real numbers, linear equations and inequalities, polynomials, factoring, systems of equations and inequalities, determinants, 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, ACAC MATH 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 Textbook: This will be available through Blackboard in VitalSource (inclusive access)** Enhanced WebAssign Life of Edition Printed Access Card 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 code.

**Supplies:**Scientific Calculator

**Outcome Competencies:** The student will:

1. be able to solve linear, absolute value, and polynomial equations.
2. be able to solve simple and compound inequalities.
3. be able to derive linear equations and to understand rate of change.
4. be able to perform algebraic operations on polynomials, including factoring.
5. be able to use systems of equations to model real world situations.
6. be able to solve systems of equations using a variety of methods.
7. develop logical reasoning skills.
8. 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. All absences must be explained to the instructor, who will then determine whether the omitted work may be made up. When a student reaches that number of absences considered by the instructor to be excessive, the instructor will so advise the student and file an unsatisfactory progress report with the campus executive director. Any student who misses 25 percent or more of the regularly scheduled class meetings may receive a grade of F in the course. 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”. For my class, first offense results in zero on that assignment/test, and will be reported.

**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:** Online homework will be assigned for each lesson. Due date and time are shown in the homework system. You can assist each other on homework but a student must not turn in someone else’s work as their own (questions for each student have different numbers). You may repeat the problems until you get them correct, before the due date.

**Quizzes:** There will be weekly online quizzes over the material- these are in WebAssign, just like the homework. Quizzes are open book/ open note, but the exams are not. Quizzes may be taken 3 times (before due date) and the high score is kept.

**Exams:** There will be a midterm exam and a final exam- both will be proctored.You must either take the exam with a face-to-face proctor (available free at WBU campuses if open), or with another approved proctor. You also have the option of using online proctoring (Proctorio) and taking the exams at home, with a fee expected to be $10 per exam.

**Grading**:

25% **Homework**

50% **Exams (midterm and final count equally)**

25% **Quizzes**

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

Note the attendance bonus above will apply before course grade is set.

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 made 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.

**Course Outline: (tentative- subject to change)**

 **Week 1:** Oct 19-25- equations, motion and mixture problems

 **Week 2**: Oct 26-Nov 1- 1D inequalities, rectangular coordinate system, functions

**Week 3:** Nov 2-8- Linear functions, lines: slope, equations,

**Week 4:** Nov 9-15- 2D inequalities, integer exponents, multiplication of monomials, **MIDTERM EXAM (exam covers weeks 1-4, will be available Nov 11-18)**

**Week 5**: Nov 16-22-addition & subtraction of polynomials, multiplication of polynomials, division of polynomials,

**Week 6**: Nov 28-Dec 6- factoring,

**Week 7**: Dec 7- 13- solving equations, systems of equations, applications,

**Week 8:** Dec 14-19- systems of linear inequalities, **FINAL EXAM**

**Important Dates:** Oct 19– Classes Begin

Oct 26 – Last day to drop without record- by noon

Dec 4– Last day to withdraw with “W”

 Dec 11– Last day to withdraw with a “WP/WF”

 Dec 19 – Last day- final must be submitted

This syllabus is only a plan.  **If COVID-19 or other circumstances necessitate changes, they will be made.** The teacher may modify the plan during the course.  The requirements and grading criteria may be changed during the course if necessary. *Revised 7/6/20*