Math 1314.030 and 1314.060
College Algebra – Spring 2021

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.

Math 1314.030 meets MWF 11:00 – 11:50 am in MCS 210 and online via Blackboard Collaborate.
Math 1314.060 meets MWF 1:00 – 1:50 pm in MCS 210 and online via Blackboard Collaborate.

Instructor: Paula Koca
Email: paula.koca@angelo.edu
Phone: 325-486-5437
Office: MCS 220L

Office Hours:
Monday: 8-9am, 12-1pm, 2-2:30 pm
Tuesday: 8-9:30am, 12:30-1:15 pm
Wednesday: 8-9am, 12-1pm
Thursday: 8-9:30am, 12:30-1:15 pm
Friday: 12-1pm or By Appointment

Note: When contacting me via email or phone, allow 24 hours for a response. I do not make it a habit to check email from home. All hours listed are available online via Blackboard Collaborate or Face-to-face.

Course Information

Course Content
Textbook: College Algebra from OpenStax. This is a free textbook available online at www.openstax.org/details/college-algebra. You can also purchase a print version, if you prefer, via the campus bookstore. The following topics are covered.

1. A Review of Basic Algebra: Real Numbers; Integer Exponents and Scientific Notation; Rational Exponents and Radicals; Polynomials; Factoring Polynomials; Rational Expressions.
2. **Equations and Inequalities**: Linear Equations and Rational Equations; Applications of Linear Equations; Complex Numbers; Quadratic Equations; Applications of Quadratic Equations; Other Types of Equations; Inequalities; Absolute Value.
3. **Functions and Graphs**: Functions and Function Notation; The Rectangular Coordinate System and Graphing Lines; Linear Functions and Slope; Writing and Graphing Equations of Lines.
4. **Functions**: Graphs of Functions.
5. **Polynomial and Rational Functions**: Quadratic Functions.
6. **Exponential and Logarithmic Functions**: Exponential Functions and Their Graphs; Logarithmic Functions and Their Graphs; Properties of Logarithms; Exponential and Logarithmic Equations.
7. **Linear Systems**: Systems of Linear Equations.

**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 college algebra including the real numbers, exponents, radicals, polynomials, factoring, functions, equations, inequalities, and graphs.

2. **Students will describe the fundamental principles including the laws and theorems arising from the concepts covered in this course.** Students will identify and apply the laws and formulas that result directly from the definitions; for example, the quadratic formula, rules of exponents, and properties of logarithms.

3. **Students will apply course material along with techniques and procedures covered in this course to solve problems.** Students will use the facts, formulas, and techniques learned in this course to simplify algebraic expressions, graph functions, and solve inequalities, equations, and systems of equations.

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 further study in academic areas requiring college algebra as a prerequisite, or for work in occupational fields requiring a background in algebra. These fields might include education, business, finance, marketing, computer science, physical sciences, and engineering, as well as mathematics.
Course Delivery

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.

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.

Technology Requirements

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

Throughout the semester we will be using Blackboard Collaborate (which requires a web cam), MyOpenMath, and Gradescope.

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>15%</td>
</tr>
<tr>
<td>Assessments</td>
<td>85%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>+ or – one letter grade at most</td>
</tr>
</tbody>
</table>

Grading System

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

The following grading scale is in use for this course:

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

Attendance Policy
Attendance will be taken daily. If you are tardy, it is your responsibility to let me know after class so I can change my records. Do not make tardiness a habit. Also, it is your responsibility to check for missed assignments on Blackboard when you are absent.

Drop Date
The last day to drop a class is Friday, April 30, 2021.

Major Course Requirements

Lecture Notes
- It is your responsibility to print the lecture notes from Blackboard and bring them to class each day. I strongly suggest keeping your notes and other class materials in a 3-ring binder.

Blackboard and Email
- I post notes, reviews, and other documents on Blackboard. I expect you to print these documents and bring them with you to class when I tell you to. I will also post grades and other important announcements on Blackboard.
- Blackboard can be accessed through RamPort or by visiting http://blackboard.angelo.edu.
- I will frequently send you information via email. It is your responsibility to regularly check your angelo.edu email account. All communication outside of class will be sent to your ASU e-mail account. I will do my best to respond to all emails by the next business day.

Homework
- Homework will be assigned over each section from the textbook (listed under “Course Content”). Additional homework assignments will be available through MyOpenMath software, linked in Blackboard. This is a free online homework system. Instructions on accessing the homework will be available in Blackboard.
- Daily assignments will consist of homework problems completed on worksheets/textbook problem sets, submitted digitally via Gradescope.
- No late work will be accepted!
- I will drop 3 homework grades at the end of the semester to help compensate for unavoidable circumstances.
Assessments

• There will be 12 assessments throughout the semester. All together, the assessments will be worth 85% of your final average. Assessments will reflect the course content and be administered during class. Each assessment will be graded for accuracy with no partial credit given. Additional information regarding the assessment procedures and retakes can be found in Blackboard.

Final Exam

A comprehensive final exam will be given. Specific details on exam delivery will be given later in the semester.

• Math 1314.030 – Final Exam will be on Wednesday, May 12, 2021 from 10:30am – 12:30pm
• Math 1314.060 – Final Exam will be on Wednesday, May 12, 2021 from 1:00pm – 3:00pm

The Final Exam will only influence your final grade by at most one letter. Your final average is calculated following the grading scheme below. The Final Exam will:

• Improve your letter grade by one letter if you score a 90 or above
• Leave your letter grade unaffected if you score between a 60 and 89
• Lower your letter grade by one letter if you score below a 60

Common Courtesy:

Please refrain from carrying on personal conversations once class has started. Be courteous to your peers when they are responding in class by listening to what they have to say.

You are not given a grade in a college course; you EARN your grade. It is your responsibility to put in as much effort as it takes to earn this grade. This includes utilizing (as needed) all available study aid options (my office hours, the Math Lab, reading outside texts, etc.) to resolve any questions or concerns you might have about any aspect of the course.

Math Lab

There is a free math lab where you can do your homework and get help with it. It is located on the third floor of the library in room C302. Math Lab Hours can be found at this location on the Angelo State University website: http://www.angelo.edu/dept/mathematics/lab_hours.php
General Policies Related to This Course

All students are required to follow the policies and procedures presented in these documents:

- Angelo State University Student Handbook¹
- Angelo State University Catalog²

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.³

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.⁴ 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.

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. Resources to help you understand this policy better are available at the ASU Writing Center.

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 Miller, J.D.
Special Assistant to the President and Title IX Coordinator
Mayer Administration Building, Room 210
325-486-6357
michelle.boone@angelo.edu

You may also file a report online 24/7.

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, visit the Title IX website.

Required Use of Masks/Facial Coverings by Students
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.

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.

Course Schedule

Week 1 – Syllabus, 1.1, 1.2
Week 2 – 1.3, 1.4
Week 3 – 1.5, Assessment 1 & Assessment 2
Week 4 – 1.6, 2.1, Assessment 3
Week 5 – 2.2, 2.3
Week 6 – 2.4, 2.5, Assessment 4
Week 7 – 2.6, 2.7, Assessment 5
Week 8 – 2.7, 3.1, Assessment 6
Week 9 – 3.2, 4.1, Assessment 7
Week 10 – 5.1, Assessment 8
Week 11 – 6.1, 6.2, Assessment 9
Week 12 – 6.3, 6.4, 6.5
Week 13 – 6.6, 7.1, Assessment 10
Week 14 – 7.1, 7.2, Assessment 11, Assessment 12
Week 15 – Review for the Final Exam
Week 16 – Final Exam

1 https://www.angelo.edu/current-students/student-handbook/
2 https://www.angelo.edu/academics/catalog/
3 https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=96
4 https://www.angelo.edu/current-students/disability-services/
5 https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
7 https://www.angelo.edu/current-students/writing-center/academic_honesty.php
8 https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of
9 http://www.angelo.edu/incident-form
10 https://www.angelo.edu/title-ix