Math 1314.020- College Algebra
Fall 2020 Syllabus

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.

Instructor Information

<table>
<thead>
<tr>
<th>Name: Ms. Cynthia Bishop</th>
<th>Office Hours:</th>
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<tbody>
<tr>
<td>Office: MCS 220B</td>
<td>Monday &amp; Wednesday: 8:30-10 am ; 2-3 pm</td>
</tr>
<tr>
<td>Phone: 325-486-5428</td>
<td>Tuesday &amp; Thursday: 8:30-9:30 am ; 2-3 pm</td>
</tr>
<tr>
<td>Email: <a href="mailto:cynthia.bishop@angelo.edu">cynthia.bishop@angelo.edu</a></td>
<td>Friday: 9-10 am and by appointment</td>
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</tbody>
</table>

This class meets Tues/Thurs 12:30 – 1:45 pm in MCS 216.

Due to class size restrictions, half of the class will meet on Tuesdays and the other half will meet on Thursdays. You will be notified of your group via email.

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.

Student Expectations: YOU are expected to...

- Attend class consistently and in a timely manner.
- Foster a learning environment by practicing common courtesy at all times.
- Pay attention fully during class.
- Complete each assignment by the specified due date.
- Maintain academic honesty.
- Work outside of class on watching videos, completing notes, homework, and review materials to master concepts and adequately prepare for exams.
- Utilize, as needed, all available study-aid options (including utilizing the math lab tutors, meeting with the instructor, referring to outside text, etc.) to resolve questions.
- Wear a mask at all times in the classroom and follow all social distancing protocol.

Technology Requirements: All students need access to a computer (with reliable internet), a printer, and a webcam. In order for online students to submit exams, students must have access to a scanner or the ability to scan documents as a PDF with their phones.

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 where needed. Here is the basic format for this semester:

- This course will utilize a “flipped” classroom model. All students will be responsible for watching videos on each topic covered in class and filling out the corresponding lecture notes.
• Half of the class will be placed in the “Blue” group and will attend class every Tuesday. The other half of the class will be placed in the “Gold” group and will attend class every Thursday.

• Each day in class the content from the previous week will be reviewed. This may include a summary of important topics that were covered, additional examples to be worked in class, and Q&A sessions.

• Class will be recorded and videos posted to Blackboard under the “Collaborate” tab.

• Homework assignments will be due each Friday. All homework assignments will be online using MyOpenMath. More information is available on Blackboard.

• Exams will be given in class to all students choosing the face-to-face option. Online students will take their exams at the same time using Respondus Lockdown Browser.

• Optional review sessions may be scheduled for the evening before the exam as needed. These sessions will be recorded as well.

• Students who miss class due to illness or other reasons will be able to watch the video of class on Blackboard.

Please refer to this [Health and Safety web page](#) for updated information about campus guidelines as they relate to the COVID-19 pandemic.

**Math Lab:** The Math Learning lab is available on campus that provide FREE math tutoring. Please utilize this great resource- no appointment is necessary. A tutor will be assigned to our section. More information will be given via email and Blackboard.

**Lecture Notes:** It is your responsibility to print the lecture notes from Blackboard and bring them to class each day. Notes and other class materials should be kept in a 3-ring binder.

**Blackboard/Email:**

- I plan to post notes, test reviews, and other documents on Blackboard. I will expect you to print these documents and bring them with you to class when I tell you to. I will also post videos, grades and other important announcements on Blackboard.

- Blackboard can be accessed through RamPort or by visiting Blackboard.

- I may send you information via email. It is your responsibility to regularly check your angelo.edu email account. All electronic correspondence will be sent to your ASU e-mail account unless other arrangements are made. I will do my best to respond to all emails by the next business day.

**Calculators:** All students will be allowed to use a NON-GRAPHING calculator on exams. You cannot use the calculator on your cell phone.

**Respondus:**

Access to exams for remote students will be through Respondus Lockdown Browser and will be video recorded via Respondus Monitor. Respondus requires a desktop computer or laptop (not a Chromebook) and a webcam. For best results, use an ethernet cable to connect to your Internet source instead of relying on Wifi. Refer to the Blackboard course for Respondus installation instructions.

**Attendance:** Attendance will be taken daily. It is important to attend class when you are healthy. For students choosing the remote option, attendance will be taken by choosing the “marked review” button on EVERY video assigned for that day.
**Homework:** Homework will be assigned over every section. All assignments will be completed in MyOpenMath which can be accessed through Blackboard. Four homework grades will be dropped at the end of the semester.

**Tests/Final Exam:** There will be three regular exams during the semester and a cumulative final exam. Exams will be taken in class for face to face students. Online students will test remotely via Respondus Lockdown Browser at the same time. Here are the tentative exam dates:

- Exam 1: Tuesday 9/15 (Blue group) and Thursday 9/17 (Gold group)
- Exam 2: Tuesday 10/13 (Blue group) and Thursday 10/14 (Gold group)
- Exam 3: Tuesday 11/10 (Blue group) and Thursday 11/12 (Gold group)
- Final Exam: Tuesday 11/24 10:30am-12:30pm (both groups)

If you miss an exam contact me immediately! If you do not contact me about your absence BEFORE the exam or the DAY OF the exam you will not be allowed to schedule a retake. Make up exams will be scheduled at my discretion. Once graded exams are returned no make up exams will be allowed. One missed exam can be replaced by your final exam grade. Those who do not miss an exam can still have the final exam replace their lowest exam grade if it is beneficial.

**Drop Date:** Tuesday November 10th is the last day to drop a class.

**Grading:** Grades will be determined as follows:

- Homework and other daily assignments - 20%
- Exam 1-3 – 20% each
- Final Exam – 20%

**Final Grades:** Final grades will be determined using the following scale

- A: 90% or above
- B: 80% - 89.9%
- C: 70% - 79.9%
- D: 60% - 69.9%
- F: Below 60%

**Common Courtesy:**

- Please turn off all cell phones or any other electronic devices before entering the classroom. Place these items in your backpacks. I do not want to see them on your desk or in your laps. THIS MEANS NO TEXTING DURING CLASS! I reserve the right to ask you to leave class if I catch you texting.
- 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.
General Policies Related to This Course
All students are required to follow the policies and procedures presented in these documents:

- Angelo State University Student Handbook³
- Angelo State University Catalog⁴

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.⁵

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.⁶ 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 Procedures⁷ 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 Observation of Religious Holy Day⁸ 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 go to  Title IX.  

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.

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 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.

Subject Matter: (tentative schedule- subject to change)
The subject matter schedule listed below is tentative, and subject to change and adaptation. For current, updated information about course topics, contact the instructor or see Blackboard.

Tentative Course Schedule

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<tr>
<th>Week</th>
<th>Topics</th>
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<tr>
<td>1</td>
<td>1.1 Real Numbers, 1.2 Scientific Notation and Exponents</td>
</tr>
<tr>
<td>2</td>
<td>1.3 Radicals and Rational Exponents, 1.4 Polynomials</td>
</tr>
<tr>
<td>3</td>
<td>1.5 Factoring Polynomials, 1.6 Rational Expressions</td>
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<tr>
<td>4</td>
<td>2.1 Rectangular Coordinate System, review for EXAM 1</td>
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<tr>
<td>5</td>
<td>2.2 Linear Equations, Graphing Equations of Lines, EXAM 1</td>
</tr>
<tr>
<td>6</td>
<td>2.3 Applications of Linear Equations, 2.4 Complex Numbers</td>
</tr>
<tr>
<td>7</td>
<td>2.5 Quadratic Equations, 2.6 Other Equations</td>
</tr>
<tr>
<td>8</td>
<td>2.7 Inequalities, 3.1 Functions, Review for EXAM 2</td>
</tr>
<tr>
<td>9</td>
<td>3.2 Domain and Range, EXAM 2</td>
</tr>
<tr>
<td>10</td>
<td>4.1 Linear Functions, 5.1 Quadratic Functions, 6.1/6.2 Exponential Functions</td>
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<tr>
<td>11</td>
<td>6.3/6.4 Logarithmic Functions, 6.5 Properties of Logarithms</td>
</tr>
<tr>
<td>12</td>
<td>6.6 Exponential and Logarithmic Equations, 7.1 Systems of Linear Equations, Review for Exam 3</td>
</tr>
<tr>
<td>13</td>
<td>7.2 More Systems of Equations, EXAM 3</td>
</tr>
<tr>
<td>14</td>
<td>Semester Review</td>
</tr>
<tr>
<td>15</td>
<td>FINAL EXAM</td>
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1 https://www.angelo.edu/covid-19/returning-to-campus/health-and-safety.php
2 http://blackboard.angelo.edu/
3 https://www.angelo.edu/student-handbook/
4 https://www.angelo.edu/catalogs/
5 https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
6 https://www.angelo.edu/services/disability-services/
7 https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
8 https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of
9 https://www.angelo.edu/services/title-ix/
10 http://www.texastech.edu/downloads/ttus-policy-face-coverings.pdf