Math 1314 - College Algebra- Summer I 2019 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: Mrs. Codi Jaynes</th>
<th>Office Hours: Monday, Wednesday, Friday 8:30 – 10:00 am</th>
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</thead>
<tbody>
<tr>
<td>Office: MCS 220C</td>
<td>Tuesday &amp; Thursday 12:00 – 1:00 pm</td>
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<tr>
<td>Phone: 325-486-5446</td>
<td>or by appointment</td>
</tr>
<tr>
<td>Email: <a href="mailto:codi.jaynes@angelo.edu">codi.jaynes@angelo.edu</a></td>
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</tbody>
</table>

This class meets M – F 10:00-11:45 am in MCS 216.

Math Lab: The Math Learning lab is available on campus that provide FREE math tutoring. Please utilize this great resource- no appointment is necessary.

- MATH LAB- LIB C302 (upstairs)
  - Monday – Friday: 11:00 am – 3:00 pm

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 grades and other important announcements on Blackboard.
- Blackboard can be accessed through RamPort or by visiting http://blackboard.angelo.edu.
- 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.

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.

Attendance: Attendance will be taken daily and is mandatory for the entire class period. Excessive absences are reported to the administration and play a definite role in suspension considerations. Remember that I can teach you more in one hour than you can learn on your own in several hours. So, for your own sake, attend every class!!

Homework & Quizzes: Homework will be assigned over each section through WebAssign software. To set up your account, go to Blackboard and click on the tab called WebAssign Homework. To set up an account, you will need the following information:

- A valid email address (I recommend you use your angelo.edu email)
- Your student access code (purchased with your textbook or purchased directly from WebAssign)

You will need to pay for an access code. If you are unable to pay at the start of the semester, you may use the free 14-day trial. However, remember this free trial only lasts for 14 days! After that time, you will need to pay for the access code.

- Daily assignments will consist of homework problems completed on WebAssign
- No late work will be accepted!
- I will drop 3 homework/quiz grades at the end of the semester to help compensate for unavoidable circumstances.

Quizzes may be given in class throughout the semester. The quizzes cannot be made up. Students must be in class to have a chance to take these quizzes.
Tests: There will be four class exams during the semester and a cumulative final. Calculators are NOT allowed on the first two tests. Non-graphing calculators will be permitted on the last 3 exams. I will discuss approved calculators after we take exam 2. If you have questions before that time, feel free to contact me.

There will be no make-up exams. If it benefits you, your final exam grade may replace your lowest test grade. This means that if you miss one test, your final exam grade will replace it. If you miss a second test, you will receive a grade of zero for it. If you leave the room during an exam, I may take your test and grade it AS IS!

If you are not able to take your exam at the scheduled time, you need to speak with me IN PERSON at least 2 days (48 hours) before the scheduled test time. Communication via email is not sufficient, unless you are ill. If this is the case, you must send me an official doctor’s note stating that you cannot come take the exam before the scheduled test time. All decisions regarding changes in testing will be made at my discretion.

<table>
<thead>
<tr>
<th>Test 1</th>
<th>Friday, June 7</th>
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<tbody>
<tr>
<td>Test 2</td>
<td>Monday, June 17</td>
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<tr>
<td>Test 3</td>
<td>Monday, June 24</td>
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<tr>
<td>Test 4</td>
<td>Monday, July 1</td>
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</tbody>
</table>

Final Exam: A comprehensive final exam will be Wednesday, July 3rd from 10:15 am – 12:15 pm.

Grading: Grades will be roughly determined as follows:

- Homework & Quizzes- 15%
- Tests- 15 % each
- Final Exam- 25%

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

- A: 90% or above
- B: 80% - 89%
- C: 70% - 79%
- D: 60% - 69%
- 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.

Drop Date: June 24th is the last day to drop a course with a W or withdraw from ASU.

General Policies Related to this Course: All students are required to follow the policies and procedures presented in these documents:
In the event that the university is closed for a scheduled class time, whatever was scheduled for that day and/or whatever was due that day will be scheduled and/or due on the next scheduled class time.

Feel free to come by my office at any time for help. I will definitely be near my office during my office hours (or there will be a note telling you when I will be back). If my office hours are not convenient for you, meet with me, or send me an email, to arrange for another time that is more convenient.

**University Policies:**

**Student Disability Services**

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.

The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting:

Dallas Swafford  
Director of Student Disability Services  
Houston Harte University Center 112  
325-942-2047  
dallas.swafford@angelo.edu

**Title IX**

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. Sex discrimination, sexual misconduct, public indecency, interpersonal violence, sexual assault, sexual exploitation, sexual harassment, and stalking are not tolerated at ASU. As a faculty member, I am a Responsible Employee meaning that I will report any allegations I am notified of to the Office of Title IX Compliance in order to connect students with resources and options in addressing the allegations reported. You are encouraged to report any incidents to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator. You may do so by contacting:

Michelle Boone, J.D.  
Director of Title IX Compliance/Title IX Coordinator  
Mayer Administration Building, Room 200  
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.
The Office of Title IX Compliance also provides accommodations related to pregnancy (such as communicating with your professors regarding medically necessary absences, modifications required because of pregnancy, etc.). If you are pregnant and need assistance or accommodations, please contact the Office of Title IX Compliance utilizing the information above. For more information about Title IX in general you may visit www.angelo.edu/title-ix.

**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.

**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.

**Student Conduct Policies**

**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 Statement of Academic Integrity.

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

**Copyright Policy:** Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

**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*, 12th Edition, by Gustafson and Hughes. The electronic supplement WebAssign is also be required. The following chapters including the particular sections listed are covered.

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

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Topic</th>
<th>End Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>June 3</td>
<td>Syllabus, 0.1- Sets of Real Numbers, 0.2- Integer Exponents &amp; Scientific Notation</td>
<td></td>
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<tr>
<td>2</td>
<td>June 4</td>
<td>0.3- Rational Exponents &amp; Radicals &amp; 0.4- Polynomials</td>
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<tr>
<td>3</td>
<td>June 5</td>
<td>0.4- Polynomials &amp; 0.5- Factoring Polynomials</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>June 6</td>
<td>Review &amp; 0.6-Rational Expressions</td>
<td>End Test</td>
</tr>
<tr>
<td>5</td>
<td>June 7</td>
<td>EXAM 1</td>
<td>1 Material</td>
</tr>
<tr>
<td>6</td>
<td>June 10</td>
<td>0.6- Rational Expressions &amp; 1.1-Linear Equations</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>June 11</td>
<td>1.2- Applications of Linear Equations &amp; 1.3- Complex Numbers</td>
<td></td>
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<tr>
<td>8</td>
<td>June 12</td>
<td>1.3- Complex Numbers &amp; 1.4- Quadratic Equations</td>
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<tr>
<td>9</td>
<td>June 13</td>
<td>1.5- Applications of Quadratic Equations &amp; 1.6- Other Types of Equations</td>
<td>End Test</td>
</tr>
<tr>
<td>10</td>
<td>June 14</td>
<td>1.6- Other Types of Equations &amp; Review</td>
<td>2 Material</td>
</tr>
<tr>
<td>11</td>
<td>June 17</td>
<td>EXAM 2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>June 18</td>
<td>1.7- Inequalities &amp; 1.8- Absolute Value</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>June 19</td>
<td>1.8- Absolute Value &amp; 2.1- Functions &amp; Function Notation</td>
<td>End Test</td>
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3 Material
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<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>14</td>
<td>June 20</td>
<td>2.2- Rectangular Coordinate System &amp; Graphing Lines, 2.3- Linear Functions &amp; Slope, &amp; 2.4- Writing and Graphing Equations of Lines</td>
</tr>
<tr>
<td>15</td>
<td>June 21</td>
<td>3.1- Graphs of Functions &amp; Review</td>
</tr>
<tr>
<td>16</td>
<td>June 24</td>
<td>EXAM 3</td>
</tr>
<tr>
<td>17</td>
<td>June 25</td>
<td>4.1- Quadratic Functions &amp; 5.1- Exponential Functions &amp; Their Graphs</td>
</tr>
<tr>
<td>18</td>
<td>June 26</td>
<td>5.1- Exponential Functions &amp; Their Graphs &amp; 5.3- Logarithmic Functions &amp; Their Graphs</td>
</tr>
<tr>
<td>19</td>
<td>June 27</td>
<td>5.5- Properties of Logarithms &amp; 5.6- Exponential &amp; Logarithmic Equations</td>
</tr>
<tr>
<td>20</td>
<td>June 28</td>
<td>6.1- Systems of Linear Equations &amp; Review</td>
</tr>
<tr>
<td>21</td>
<td>July 1</td>
<td>EXAM 4</td>
</tr>
<tr>
<td>22</td>
<td>July 2</td>
<td>6.1- Systems of Linear Equations &amp; Review</td>
</tr>
<tr>
<td>23</td>
<td>July 3</td>
<td>Final Exam</td>
</tr>
</tbody>
</table>

2 [http://www.angelo.edu/catalogs/](http://www.angelo.edu/catalogs/)
3 [http://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of](http://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of)
4 [http://www.angelo.edu/content/files/14197-op-1011-grading-procedures](http://www.angelo.edu/content/files/14197-op-1011-grading-procedures)
7 [http://www.angelo.edu/dept/writing_center/academic_honesty.php](http://www.angelo.edu/dept/writing_center/academic_honesty.php)