Math 2312.040 (Precalculus)
Syllabus – Fall 2019
TR 11 am-12:15 pm

Instructor Information:
Instructor: Mrs. Cynthia Bishop
Office: MCS 220B
Office Phone: (325) 486-5428
Fax: (325) 942 – 2503
e-mail: Cynthia.Bishop@angelo.edu

Office Hours:
Monday / Wednesday: 1-2 pm ; 3-4 pm
Tuesday / Thursday: 9-11 am ; 1:30 – 2:00 pm
Friday: 10-11 am
and 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.

Course Information:
Textbook

Math Lab
There is a Math Learning Lab which offers free tutoring. This is a great place to do homework or go if you have questions on an assignment and you are unable to come to my office. The lab is located on the third floor of the library in room C302.

M – TH: 9:00 am – 8:00 pm
F: 9:00 am – 12:00pm
Sunday: 4:00pm – 8:00pm

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
All course information such as test reviews, lecture notes, grades, and announcements will be available in Blackboard.

Attendance
You are expected to attend all scheduled class meetings, arrive on time, and stay for the entire class period. Class attendance is crucial in this course. If you are tardy, it is your responsibility to let me know after class so that I can change my records. Please do not make tardiness a habit.

Prerequisite
Math 1314 (College Algebra) or a suitable score on a placement exam.
Homework
We will have daily assignments from the textbook. You are encouraged to collaborate on your homework assignments with other classmates, but each student must turn in his or her own homework. You are likely to be successful in this course if you complete each assignment and apply other good study habits.

NO LATE HOMEWORK will be accepted for any reason, including absences. If you are having trouble completing a homework assignment, see me or assistance or go to math lab before it is due. If you are absent, it is your responsibility to contact me or view Blackboard in order to get the new assignment. Since late homework will not be accepted, your lowest three homework grades will be dropped.

Exams
- We will have three regular exams and a comprehensive final exam.
- In general, calculators will not be allowed on the exams.
- All exams, including the final, will be pencil-and-paper exams. There will be no make-up exams unless arrangements are made with me prior to the test.
- I will replace your lowest exam score with your final exam, if it is to your benefit. You are given this second chance for unavoidable absences.
- If you leave the room during an exam, I may take up your exam and grade as is.
- When grading your exam, I am grading your work as well as your answer. Typically a correct answer is worth 1 point, while the work leading to the answer is worth 3-4 points. Therefore you must always show adequate work that leads to your answer. Failure to do so will result in a failing grade. The general rule of thumb is to show as much work on a problem as I show when doing a similar problem in class.
- Tentative exam days will be as follows. I reserve the right to move exam dates as needed:
  - Thursday, Sept. 26th: Exam 1
  - Tuesday, Oct. 29th: Exam 2
  - Tuesday, Nov. 26th: Exam 3
  - Tuesday, Dec. 10th: Final Exam from 10:30 am – 12:30 pm
- These test dates and times are MANDATORY. Exceptions will be made only for emergencies and will be evaluated on a case by case basis.
- If you are seen on a cell phone during the exam, it is an automatic zero. Cell phones should not be visible during exams.

Final Exam
We will have a comprehensive Final Exam on Tuesday, December 10th, 2019 from 10:30 am – 12:30 pm.

Grading Scheme
Homework Average: 15% of final grade
Exam 1-3 Average: 60% of final grade
Final Exam: 25% of final grade

The following table determines how letter grades will be assigned in the course.

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90% and above</td>
<td>A</td>
</tr>
<tr>
<td>80% to 89%</td>
<td>B</td>
</tr>
<tr>
<td>70% to 79%</td>
<td>C</td>
</tr>
<tr>
<td>60% to 69%</td>
<td>D</td>
</tr>
<tr>
<td>Less than 60%</td>
<td>F</td>
</tr>
</tbody>
</table>

Drop Date
Thursday, October 31st, 2019, is the last day to drop a course with a W or withdraw from the university.
Internet/Email
All current students are required to maintain an @angelo.edu e-mail account (see ASU Electronic Communication Policy).  

Common Courtesy:
- Silence all cell phones before entering the classroom. Place these items in your backpacks and not on your desks. No earbuds or headphones can be worn during class.
- No texting during class. I reserve the right to ask you to leave class if I observe you texting during class. If you are asked to leave, you will receive an absence for that day.
- 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.

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  
Office of Student Affairs  
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. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex. You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Boone, J.D. You may submit reports in the following manner:

Online: www.angelo.edu/incident-form  
Face to Face: Mayer Administration Building, Room 210  
Phone: 325-942-2022  
E-Mail: michelle.boone@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State’s policy please 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. (OP 10.19 Student Absence for Observance of Religious Holy Day)

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 OP 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 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.

Mathematics 2312 - Student Learning Outcomes:

1. The students will demonstrate an understanding of 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 precalculus pertaining to the real numbers; exponents and radicals; polynomials, factoring, and rational expressions; equations and inequalities; functions; polynomial and rational functions; inverse functions; exponential and logarithmic functions; and graphs and their transformations.
2. The students will describe the fundamental principles including the mathematical rules 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, rules of exponents, exponential and logarithmic properties, the quadratic formula, slope and formulas for the equations of lines, the Intermediate Value Theorem, and the limit laws.
3. The students will apply course material using techniques and procedures covered in this course to solve problems. Students will utilize the facts, formulas, and the techniques learned in this course to simplify algebraic expressions; graph functions; and solve equations and systems of equations.
4. The 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 in precalculus necessary for success in calculus.

Course Content:

Textbook: Precalculus: Mathematics for Calculus, 7th Edition, by Stewart, Redlin, and Watson. The following chapters including the particular sections listed are covered.

1. Fundamentals: Exponents and Radicals; Algebraic Expressions; Rational Expressions; Equations; Inequalities; The Coordinate Plane; Graphs of Equations; Circles; Lines.
2. Functions: Functions; Graphs of Functions; Getting Information from the Graph of a Function; Average Rate of Change; Linear Functions; Transformation of Functions; Combining Functions; One-to-one Functions and Their Inverse.
3. **Polynomials and Rational Functions**: Quadratic Functions; Polynomial Functions; Dividing Polynomials; Rational Functions.

4. **Exponential, and Logarithmic Functions**: Exponential Functions; The Natural Exponential Function; Logarithmic Functions; Laws of Logarithms; Exponential and Logarithmic Equations.

10. **Systems of Equations and Inequalities**: Systems of Linear Equations in Two Variables; Systems of Linear Equations in Several Variables; Partial Fractions; Systems of Nonlinear Equations; Systems of Inequalities.

13. **Limits: A Preview of Calculus**: Finding Limits Numerically and Graphically; Finding Limits Algebraically; Limits at Infinity.

### Proposed Course Schedule – Math 2312:

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Sections Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>T 8/27</td>
<td>Syllabus, Course Intro, 1.2</td>
</tr>
<tr>
<td>2</td>
<td>R 8/29</td>
<td>1.2, 1.3</td>
</tr>
<tr>
<td>3</td>
<td>T 9/3</td>
<td>1.3, 1.4</td>
</tr>
<tr>
<td>4</td>
<td>R 9/5</td>
<td>1.4, 1.5</td>
</tr>
<tr>
<td>5</td>
<td>T 9/10</td>
<td>1.5</td>
</tr>
<tr>
<td>6</td>
<td>R 9/12</td>
<td>1.8</td>
</tr>
<tr>
<td>7</td>
<td>T 9/17</td>
<td>1.9</td>
</tr>
<tr>
<td>8</td>
<td>R 9/19</td>
<td>1.10</td>
</tr>
<tr>
<td>9</td>
<td>T 9/24</td>
<td>2.1, Review</td>
</tr>
<tr>
<td>10</td>
<td>R 9/26</td>
<td>EXAM 1</td>
</tr>
<tr>
<td>11</td>
<td>T 10/1</td>
<td>2.2, 2.3</td>
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<tr>
<td>12</td>
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<td>2.4, 2.5</td>
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<tr>
<td>13</td>
<td>T 10/8</td>
<td>2.6, 2.7</td>
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<tr>
<td>14</td>
<td>R 10/10</td>
<td>2.7, 2.8</td>
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<tr>
<td>15</td>
<td>T 10/15</td>
<td>3.1, 3.2</td>
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<td>16</td>
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<td>17</td>
<td>T 10/22</td>
<td>3.6</td>
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<td>18</td>
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<tr>
<td>20</td>
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<td>21</td>
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<td>4.4, 4.5</td>
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<td>22</td>
<td>R 11/7</td>
<td>4.5, 10.1</td>
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<td>23</td>
<td>T 11/12</td>
<td>10.1, 10.2</td>
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<td>24</td>
<td>R 11/14</td>
<td>13.1, 13.2</td>
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<td>25</td>
<td>T 11/19</td>
<td>13.4, 10.8</td>
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<td>26</td>
<td>R 11/21</td>
<td>10.9, Review</td>
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<tr>
<td>27</td>
<td>T 11/26</td>
<td>EXAM 3</td>
</tr>
<tr>
<td>28</td>
<td>T 12/3</td>
<td>10.7, Core Assessment</td>
</tr>
<tr>
<td>29</td>
<td>R 12/5</td>
<td>Review</td>
</tr>
<tr>
<td>30</td>
<td>T 12/10</td>
<td>FINAL EXAM</td>
</tr>
</tbody>
</table>

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1. [https://blackboard.angelo.edu/](https://blackboard.angelo.edu/)
2. [http://www.angelo.edu/services/technology/it_policies/ecomm_policy.html](http://www.angelo.edu/services/technology/it_policies/ecomm_policy.html)
3. [http://www.angelo.edu/opmanual/](http://www.angelo.edu/opmanual/)
4. [http://www.angelo.edu/content/files/14197-op-1011-grading-procedures](http://www.angelo.edu/content/files/14197-op-1011-grading-procedures)