Department of Mathematics and Statistics
MATH 1314 Dual Credit—College Algebra
Fall 2020

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Office: MTH 339

Office Hours (Held through Zoom):
Monday: 10:00 – 11:30 am  
Tuesday: 9:00 – 9:30 am  
Wednesday: 10:00 – 11:30 am  
Thursday: 3:30 – 5:00 pm  
*Available other times by appointment*

Link to join office hours: sfasu.zoom.us/my/busbeeb (Meeting ID: busbeeb Password: 138220)

Class meeting time and place: Monday, Wednesday and Friday at 8 am via Zoom
Final Exam Date and Time: Wednesday, December 9th from 8:00 – 10:30 am

Link to join live Zoom lecture: https://sfasu.zoom.us/j/93803609739?pwd=ZzloU3N2sMtjdB91bHloaG5qQT09 (Meeting ID: 938 0360 9739 Password: dc2020)

Course Description: Topics include mathematical models; solving equations; creating, interpreting and graphing functions. Particular focus is given to polynomial, exponential and logarithmic functions. Prerequisites: two years of high school algebra and one year of high school geometry and TSI complete/exempt status in mathematics.

Text and Materials
- The required textbook for this course is Precalculus by Edward B. Burger. The textbook is available in both print and ebook versions online at https://students.flatworldknowledge.com/course/2593810
- You will need a scientific calculator for this class.

Course Requirements
There will be three exams and a final exam. The final exam is comprehensive and mandatory. **There will be no make-up exams.**

There will be three exams and a final exam. The exams are tentatively scheduled as follows:
- Exam 1 – Friday, September 18th
- Exam 2 – Friday, October 16th
- Exam 3 – Friday, November 20th
- Final Exam – Wednesday, December 9th

* Please note that the dates for our in-class exams in the calendar below are subject to change. **The final is university scheduled and cannot be taken at a different time without permission of the Dean of the College of Sciences and Mathematics.**

Grading Policy
Your final grade will be determined as follows:

<table>
<thead>
<tr>
<th>%</th>
<th>Description</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>Daily Average [CO: 1,2,3]</td>
<td>A</td>
</tr>
<tr>
<td>60</td>
<td>Tests (3 @ 20% each) [CO: 1,2,3]</td>
<td>B</td>
</tr>
<tr>
<td>20</td>
<td>Comprehensive Final Exam [CO: 1,2,3]</td>
<td>C</td>
</tr>
<tr>
<td>100</td>
<td>Final Course Grade</td>
<td>D</td>
</tr>
</tbody>
</table>

20% of your grade will be determined by your daily average. This will include worksheets, quizzes, homework assignments, etc. **Homework assignments will not be accepted late.** However, I will drop one or two of the daily grades at the end of the semester.

Course Requirements
Exams
Exams will be given online through D2L using the Flatworld software. These exams will be given during your scheduled class time. There are no make-ups for missed exams. Department policy requires that you bring and be recognizable from either your SFASU Student ID or another valid photo ID before you are permitted to take each exam. The final exam is comprehensive and mandatory. You must have a complete understanding of the course material in order to pass the final exam.

Quizzes and Homework
Quizzes and homework will be online on D2L using the Flatworld software. You have one attempt at each quiz and you must work by yourself. You are allowed to use your notes during the quizzes. On the homework, you have multiple attempts per question and an opportunity to rework the homework up to 5 times.

D2L
Course materials will be located on D2L. It is your responsibility to check D2L daily. You will use your MySFA username and password on the website www.D2L.sfasu.edu. You are responsible for everything that is posted on D2L for this course.

AARC Tutoring
The AARC (Academic Assistance and Resource Center) in the Steen Library has free help available! The AARC is also available through Zoom. Please go to the following website to get up to date information about getting help through the AARC: http://www.sfasu.edu/aarc/tutoring

COVID-19 MASK POLICY
Masks (cloth face coverings) must be worn over the nose and mouth at all times in this class and appropriate physical distancing must be observed. Students not wearing a mask and/or not observing appropriate physical distancing will be asked to leave the class. All incidents of not wearing a mask and/or not observing appropriate physical distancing will be reported to the Office of Student Rights and Responsibilities. Students who are reported for multiple infractions of not wearing a mask and/or not observing appropriate physical distancing may be subject to disciplinary actions. https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cloth-face-cover-guidance.html https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/social-distancing.html

Use of Zoom
This class will utilize the Zoom web-conferencing tool for virtual class meetings. All SFA faculty, students, and staff can access and use Zoom by via sfasu.zoom.us. Students are required to have a webcam in order to participate. (Cell phone access is available with the Zoom mobile app.) Zoom links will be provided [insert means of link distribution here]. Important note: Zoom auto transcribes all recorded sessions. Transcription is automated, often includes errors, and thus should not be considered a wholly accurate record of the session. Should errors exist in a Zoom session transcript, please contact me immediately.

Restriction of Audio or Visual Recording, Reproduction, and Distribution of Content in Online Courses
(Adapted from the University of Denver)
At Stephen F. Austin State University, we value and strive to protect the intellectual property of our faculty. We also value and strive to safeguard the privacy of all our students. To this end, students may not record, reproduce, screenshot, photograph, or distribute any video, audio, or visual content from a course without the express written permission of the faculty of record. This restriction includes but is not limited to:
- Pre-recorded and live lectures
- Live discussions
- Discussion boards
- Simulations
- Posted course materials
- Faculty feedback forms
- Visual materials that accompany lectures/discussions, such as slides
- Virtual whiteboard notes/equations, etc.

As we engage in online learning as an academic community, it is imperative to be respectful of your peers and instructor(s). Keep in mind that if any student is identifiable in an online class recording, this may constitute a violation of the educational record protections provided under the Federal Educational Rights and Privacy Act (FERPA). Students who violate this policy may be reported to the Office of Community Standards and subject to both legal sanctions for violations of copyright law and disciplinary action.
The following is an excerpt from SFA Policy 5.4:

The federal definition of a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates:

1. Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time, or;

2. At least an equivalent amount of work as outlined in item 1 above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

To this end, all students in courses offered by the Department of Mathematics and Statistics that wish to be successful should plan to spend a minimum of two hours outside of class for every credit hour associated with this course. Expected activities to be completed in the time outside of class include reviewing notes from previous class meetings, reading assigned course resources, completing all assigned exercises and projects, and performing periodic assessment preparation.

See http://www2.sfasu.edu/math/docs/syllabi/MTH138Syllabus.pdf for elements common to all sections.
<table>
<thead>
<tr>
<th>Week #</th>
<th>Week Starting on:</th>
<th>Material Covered and Exam Schedule</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>August 24th</td>
<td>Course Introduction&lt;br&gt;Section 1.2: Lines</td>
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<tr>
<td>2</td>
<td>August 31st</td>
<td>Section 1.4: Functions&lt;br&gt;Section 1.5: Graphs of Functions</td>
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<tr>
<td>3</td>
<td>September 7th</td>
<td>Section 1.5: Graphs of Functions&lt;br&gt;Section 1.6: Transformations of Functions</td>
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<tr>
<td>4</td>
<td>September 14th</td>
<td>Review&lt;br&gt;Exam 1: Friday, September 18th</td>
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<td>5</td>
<td>September 21st</td>
<td>Section 1.7: Combining Functions&lt;br&gt;Section 1.8: Inverse Functions</td>
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<td>6</td>
<td>September 28th</td>
<td>Section 2.1: Quadratic Functions&lt;br&gt;Section 2.2: Polynomial Functions</td>
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<td>7</td>
<td>October 5th</td>
<td>Section 2.3: Dividing Polynomials&lt;br&gt;Section 2.4: Real Zeros</td>
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<tr>
<td>8</td>
<td>October 12th</td>
<td>Review&lt;br&gt;Exam 2: Friday, October 16th</td>
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<td>9</td>
<td>October 19th</td>
<td>Section 3.1: Rational Functions&lt;br&gt;Section 4.1: Exponential Functions</td>
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<td>10</td>
<td>October 26th</td>
<td>Section 4.2: Logarithmic Functions&lt;br&gt;Section 4.3: Log Properties</td>
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<tr>
<td>11</td>
<td>November 2nd</td>
<td>Section 4.4: Exponential and Logarithmic Functions</td>
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<tr>
<td>12</td>
<td>November 9th</td>
<td>Section 4.5: Exponential and Logarithmic Models</td>
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<tr>
<td>13</td>
<td>November 16th</td>
<td>Review&lt;br&gt;Exam 3: Friday, November 20th</td>
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<td>14</td>
<td>November 23rd</td>
<td>Thanksgiving Break</td>
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<tr>
<td>15</td>
<td>November 30th</td>
<td>Section 8.1: Systems of Equations&lt;br&gt;Section 9.1: Matrices and Systems of Equations</td>
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<td>December 7th</td>
<td>Your final exam will be Wednesday, December 9th from 8:00-10:30 pm</td>
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