Dr. Sheyleah Harris-Plant (Dr. HP)

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Levelland Campus Math Building Room 120A

Important Dates

First Day of Class
Monday, 24 August 2026

Labor Day (All campuses closed)
Monday, 7 September 2026

Last day to confirm degree and fall commencement participation
Thursday, 1 October 2026

SPC Fall Break (All campuses closed)
Friday, 16 October 2026

Online Registration opens
Friday, 6 November 2026

Thanksgiving Holiday (All campuses closed)
Wednesday, 25 November 2026 – Friday, 27 November 2026

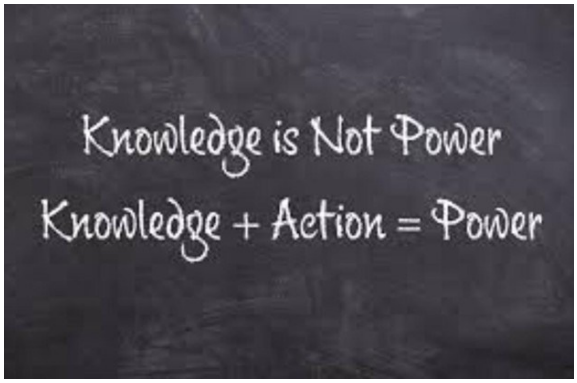
Last Day to Drop
Thursday, 3 December 2026

Final Exam Week
Monday, 7 December 2026 - Thursday, 10 December 2026

Precalculus

MATH-2412-601

Fall 2026



Welcome to Precalculus

This is a face-to-face course that meets twice a week on Mondays and Wednesdays at 5:30 pm at the Lubbock Downtown Center, room B010, in Lubbock, TX.

Are you ready to explore the integrated algebra, trigonometry, and analytic geometry skills used in Calculus? As your instructor, I look forward to providing you with the opportunity to acquire and practice the math skills needed to succeed in Calculus.

Student Help Sessions (A.K.A. Office Hours)

Downtown Center (B001):
Thursdays: 10:00 (10:00 am) – 11:00 (11:00 am) CT (Central Time)
Tuesdays and Thursdays: 14:30 (2:30 pm) – 16:30 (4:30 pm) CT (Central Time)

The virtual link is also found in the Blackboard Course:
Wednesdays: 10:00 (10:00 am) – 11:00 (11:00 am) CT (Central Time)
Thursdays: 19:00 (7:00 pm) – 20:00 (8:00 pm) CT (Central Time)
Fridays: 13:00 (1:00 pm) – 14:00 (2:00 pm) CT (Central Time)

or **by appointment**
(scan QR code or use the link to make an appointment)
Schedule an appointment

Course Learning Goals

At the end of the semester, we will be able to:

- Apply knowledge of properties of functions.
- Solve algebraic and transcendental equations.
- Apply graphing techniques to algebraic and transcendental functions.
- Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.
- Prove trigonometric identities.
- Solve right and oblique triangles.

Course Objectives

- **Communications skills**—to include effective written, oral, and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, analysis, evaluation, and synthesis of information
- **Empirical and quantitative competency skills**—to manipulate and analyze numerical data or observable facts, resulting in informed conclusions

Class Requirements

Our classroom is face-to-face. This means the lecture and some assignments are completed in class, while the practice (homework) and tutoring occur outside class.

Practice (homework) problems will be assigned daily. The lecture notes and practice (homework) problems are to be kept in a binder as a portfolio to be used as a textbook and study guide.

Quizzes will be given weekly. The corrected quizzes will be kept in your portfolio as a study guide.

I am a resource to help you learn. If you need help, ask after you have tried the topic.

Our focus is on learning and mastery of the material.

Supplies

- Writing Utensils
  Any pencil or pen that will write dark enough for an uploaded document to be read on a computer screen
- 8.5-inch by 11-inch paper or tablet
  Students can print off the lecture notes or use a tablet to download them and fill them out. If the tablet has the internet turned off during assessments, it can still be used to write assessment work.
- A large 3-ring binder with dividers
  The dividers can be homemade or store-bought. This binder will become your textbook for the class.
- Good Internet Connection and Technology
  A high-speed internet connection and a computer using macOS X 10.5 or higher, Windows Vista or higher, or ChromeOS.
- Web camera, microphone, and speakers
  The computer accessories can be internal or external, but they must be in good working condition.
- Non-Programmable Scientific Calculator (No Graphing Calculator)
  Graphing calculators will not be allowed during this class. The following calculators are recommended: TI-36X Pro or Casio fx-115 or equivalent.

Tips for Success

- Avoid distractions (cell phone, social media, games, television, or open tabs and windows on your device) when watching and working through lecture videos
- Use the resources (notes, extra videos on Blackboard, free tutoring through the college, each other, and myself) available to you
- Don't hesitate to ask for help and always communicate
- Be sure to complete the assigned work
- Read the feedback given to you on graded work to improve your skills
- Save all of your notes and work

Applications Used

Gradescope

We will use Gradescope this term, which allows us to provide fast and accurate feedback on your work. Homework will be submitted through Gradescope, and homework and exam grades will be returned through Gradescope. As soon as grades are posted, you will be notified immediately so that you can log in and see your feedback. You may also submit regrade requests if you believe there is an error in the grading.

You can use your phone's camera or another scanner to upload work to Gradescope. Download the Gradescope mobile app on the App Store or Google Play to use your phone's camera and follow the prompts. If you cannot scan your assignments for any reason, please get in touch with me to make alternative arrangements. All submissions to Gradescope must be clear, legible, and double-checked to ensure all answers are properly marked. You will receive an email confirmation once your assignment is successfully submitted; please retain this for your records.

Honorlock

Honorlock will proctor your exams this semester. Honorlock is an online proctoring service that allows you to take your exam from home. You do not need to create an account or schedule an appointment in advance. Honorlock is available 24/7, and all required is a computer, a working webcam/microphone, your ID, and a stable internet connection. You will need Google Chrome and download the Honorlock Chrome Extension to get started.

When you are ready to complete your assessment, log into your LMS, go to your course, and click on your exam. Clicking "Launch Proctoring" will begin the Honorlock authentication process, where you will take a picture of yourself and show your ID. You may be prompted to complete a room scan during the authentication steps. This is a test taker authentication step in which you will be asked to perform a 360-degree scan of your environment with the computer or webcam to confirm the integrity of the testing environment. Honorlock will be recording your exam session through your webcam and microphone and recording your screen. Honorlock also has an integrity algorithm that can detect search-engine use, so please do not attempt to search for answers, even if it's on a secondary device.

Honorlock support is available 24/7/365. You may contact them through live chat on the support page or within the exam itself if you encounter any issues.

Blackboard

We will use Blackboard this term, which allows is our Learning Management System (LMS). It will house all of the course materials, resources, and grades. The gradebook will automatically give a zero for any assignment not graded by the due date. Do not worry if you submitted your assignment; I will change the grade once the assignment is graded.

Download the Blackboard mobile app on the App Store or Google Play to have mobile access to Blackboard.

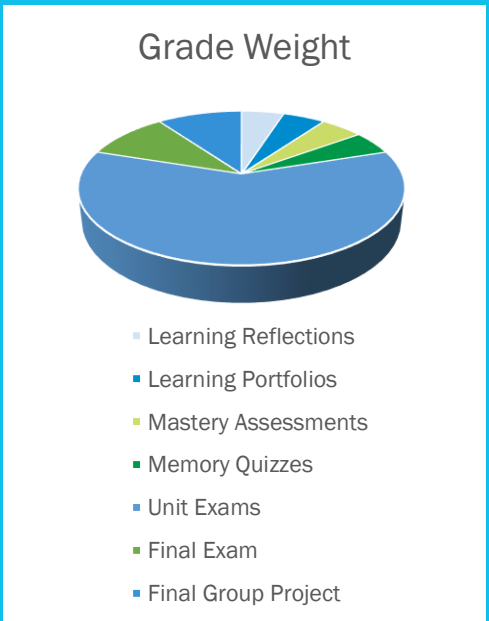
Assignment Weights

The 100-point system is used for grading, and 100 points will be the highest grade reported at the end of the semester. All assignments will add up to 100 points.

89.5 and above earns an A
79.5 - 89.49 earns a B
69.5 - 79.49 earns a C
59.5 - 69.49 earns a D
59.49 and below earns an F

- Mastery Assessments: 5 points
- Learning Reflections: 5 points
- Learning Portfolios: 5 points
- Memory Quizzes: 5 points
- Unit Exams: 60 points
- Final Exam: 10 points
- Final Group Project: 10 points

To find the relative (percentage) grade, divide the total points by the possible points and multiply by 100.



Class Assignments

Mastery Assessments (Worth 0.5 points each)
Free-response assessment where you can use your notes. The purpose of the assignment is to give us a snapshot of the mastery of the course material for that week. Upload work on Gradescope. There will be 10 assessments, with no extra credit assessment. Any missed Mastery Assessment will not be allowed to be taken after the due date.

Learning Reflections (Worth 0.5 points each)
Answer questions on Blackboard weekly to reflect, review mistakes, and learn from them. The assignment will be graded by completion. There will be 15 assignments, with 5 assignments being extra credit. Any Learning Reflection submitted after the due date will not be accepted.

Learning Portfolios (Worth 1 point each)
Your Learning Portfolio is a collection of notes, practice problems, assessments, corrections, and other course materials that document your growth throughout the semester. Your portfolio (binder) will be collected on exam days for grading. The lecture notes, practice (homework) problems, corrected quizzes, and reviews will be kept in a binder as a portfolio. This portfolio will serve as a textbook and study guide, so keeping it organized and up to date is important. There will be seven (7) portfolio checks over the semester, with 2 portfolios being extra credit.

Memory Quizzes (Worth 0.5 points each)
A multiple-choice assessment that will be completed using your memory. Notes or calculators are not allowed to be used. The assignment is administered and submitted weekly on Blackboard. The assignment will be graded as correct or incorrect. There will be 14 quizzes, with 4 quizzes being extra credit. Any missed Memory Quiz will not be allowed to be taken after the due date.

Unit Exams (Worth 10 points each)
Free-response assessment where you cannot use your notes or practice problems. Any missed exam will not be allowed to be taken after the due date. The purpose of the assignment is to give us a snapshot of the mastery of the unit material at that time. This assignment is completed in class. There will be six (6) exams with no extra-credit assignments.

Final Exam (Worth 10 points)
A comprehensive free-response assessment where you cannot use your notes or practice problems. If you do not attempt the Final Exam, you will earn an F for the class even if enough points to pass have been earned. There will only be one assignment at the end of the semester.

Final Group Project (Worth 10 points)
Each group will create and record a lecture based on a skeleton lecture on skills directly applicable to Calculus. The instructor will assign the groups. The project grade will count toward each student's final exam grade and will consist of multiple parts.

Expectations of the Instructor

- Show up, as scheduled.
- Provide notice of any schedule changes.
- Keep Blackboard updated with grades and materials.
- Present the material in a way that most of the class can understand.
- Be available to those who need assistance outside of the classroom, by e-mail or in person, during office hours or scheduled appointment times.
- Maintain the course calendar and assignments.
- Uphold the policies of the college.
- Respect each student and provide the opportunity to discuss the material presented.
- Provide examinations based on the information discussed in the course material.

Participation Expectations

Accountability
If you miss an assignment or fall behind, all notes are on Blackboard for you to access. Late coursework is not accepted, nor will it be allowed to be taken or submitted after the due date.

Communication
Communication is key. If you have an emergency, please let me know by email or phone immediately. Letting me know the following day or later makes it difficult for me to discern and assess your situation. Therefore, this makes it harder to help and work with you.

Integrity
The focus of higher education is to foster learning and encourage critical thinking. While taking shortcuts to save time or earn a grade may seem like a good idea, the results are usually lower scores and the loss of the opportunity to learn the material. The consequences of being caught cheating could range from a zero on the assignment to being expelled from South Plains College and the action being recorded on your academic record.

Reasonable Flexibility
Extra credit points are available for all students. If you should miss an assignment deadline, those extra credit points can "replace" the missed points.

Blackboard Messages and Email

Emails Should Include

- Your first and last name
- Your class name and section
- Your questions and/or comments in the body of the email (not subject line)

The Instructor Will

- Check their email regularly during weekdays before 7:00 pm
- Do their best to respond within 24 hours

The Instructor Will Not

- Always respond immediately on weekends or holidays
- Respond to parents or counselors. You are the student in an adult class and should communicate for yourself

Inspirational Quotes

The person who asks a question is a fool for five minutes; the one who does not ask a question remains a fool forever.
- Chinese Proverb

I find that the harder I work, the more luck I seem to have.
- Thomas Jefferson

Learning is never done without errors and defeat.
- Vladimir Lenin

However difficult life may seem, there is always something you can do and succeed at.
- Stephen Hawking

Your talents and abilities will improve over time, but for that, you have to start.
- Martin Luther King, Jr

Student Resources

Class Resources
In our Blackboard course, there are many resources to help us succeed.

- Under Additional Resources are study tips, prerequisite math rules, graph paper, and online resources.

Free SPC Tutoring
South Plains College provides free tutoring to students. The most current schedule can be found on the SPC Tutoring Website or this QR Code.

SPC Policies
South Plains College policies concerning diversity, disabilities, non-discrimination, Title IX Pregnancy Accommodations, and Campus Concealed Carry Statements can be found here on the SPC Policies Website or this QR Code.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here on the SPC COVID-19 Policy Webpage.

Real Life Emergency Help

Sometimes life happens and we need help. This is the reason the South Plains College Health and Wellness Center has provided a list of emergency resources. This list includes, but is not limited to community food assistance, help paying bills, and other free or reduced cost programs. To find this list, please click on the *Emergency Resources* tab, and click the linked here. The site is found at Health and Wellness Center or this QR Code.

SOUTH PLAINS COLLEGE
MATHEMATICS, ENGINEERING & COMPUTER SCIENCE

Fall 2026 MATH-2412 Tentative Calendar

Week	Day	Date	Topic	Learning Reflection Due	Memory Quiz Due	Unit Portfolio Due	Mastery Assessment Due	Exam Due
0	Thu	20 Aug	• Class Introduction • Algebra Review	Not due this week	Not due this week	Not due this week	Not due this week	***Preparatory Assignments*** Sun, 30 Aug by 23:30 (11:30 pm)
	Fri	21 Aug						
1	**Mon**	**24 Aug**	• Angles • Non-Acute Angles • Functions and Function Notation • Linear Functions	Not due this week	Not due this week	Wed, 9 Sep by 17:30 (5:30 pm) **In Class**	Sun, 30 Aug by 23:30 (11:30 pm) **Use Honorlock**	**Wed, 9 Sep by 19:35 (7:35 pm) In Class**
	Tue	25 Aug						
	Wed	**26 Aug**						
	Thu	27 Aug						
	Fri	28 Aug						
2	**Mon**	**31 Aug**	• Quadratic Functions • Polynomial Functions • *Review for Unit 1 Exam* • Radical Functions • Rational Functions • Trigonometric Functions	Thu, 3 Sep by 23:30 (11:30 pm) **Blackboard**	***Radian & Degree Measures*** Sat, 5 Sep by 23:30 (11:30 pm) **Use Honorlock**		Sun, 6 Sep by 23:30 (11:30 pm) **Use Honorlock**	
	Tue	1 Sep						
	Wed	**2 Sep**						
	Thu	3 Sep						
	Fri	4 Sep						
3	Mon	7 Sep		**South Plains College Closed - No Classes – Labor Day**				**Wed, 23 Sep by 19:35 (7:35 pm) In Class**
	Tue	8 Sep		Thu, 10 Sep by 23:30 (11:30 pm)	***Radian & Degree Measures*** Sat, 12 Sep by 23:30 (11:30 pm)	Wed, 23 Sep by 17:30 (5:30 pm) **In Class**	Not due this week	
	Wed	**9 Sep**		***Take Unit 1 Exam***				
	Thu	10 Sep		**Blackboard**	**Use Honorlock**			
	Fri	11 Sep						
4	**Mon**	**14 Sep**	• Trigonometric Functions • Non-Standard Position Angles • Trigonometric Function Graphs • Exponential Functions • Logarithmic Functions • *Review for Unit 2 Exam*	Thu, 17 Sep by 23:30 (11:30 pm) **Blackboard**	***Standard Position Trig Functions*** Sat, 19 Sep by 23:30 (11:30 pm) **Use Honorlock**	Wed, 23 Sep by 17:30 (5:30 pm) **In Class**	Sun, 20 Sep by 23:30 (11:30 pm) **Use Honorlock**	
	Tue	15 Sep						
	Wed	**16 Sep**						
	Thu	17 Sep						
	Fri	18 Sep						

Week	Day	Date	Topic	Learning Reflection Due	Memory Quiz Due	Unit Portfolio Due	Mastery Assessment Due	Exam Due
5	**Mon**	**21 Sep**	• Properties of Logarithmic Functions • Fundamental Identities • Sum and Difference Identities • Double-Angle Identities	Thu, 24 Sep by 23:30 (11:30 pm)	***Standard Position Trig Functions*** Sat, 26 Sep by 23:30 (11:30 pm)	Wed, 7 Oct by 17:30 (5:30 pm) **In Class**	Not due this week	**Wed, 7 Oct by 19:35 (7:35 pm) In Class**
	Tue	22 Sep						
	Wed	**23 Sep**		***Take Unit 2 Exam***				
	Thu	24 Sep		**Blackboard**	**Use Honorlock**			
	Fri	25 Sep						
6	**Mon**	**28 Sep**	• Half-angle and Power-Reducing Identities • Sum-to-Product and Product-to-Sum Identities • Combining Functions • Inverse Functions • *Review for Unit 3 Exam*	Thu, 1 Oct by 23:30 (11:30 pm) **Blackboard**	***Function Values of Degree Angles*** Sat, 3 Oct by 23:30 (11:30 pm) **Use Honorlock**	Wed, 7 Oct by 17:30 (5:30 pm) **In Class**	Sun, 4 Oct by 23:30 (11:30 pm) **Use Honorlock**	
	Tue	29 Sep						
	Wed	**30 Sep**						
	Thu	1 Oct						
	Fri	2 Oct						
7	**Mon**	**5 Oct**	• Transformations • Binomial Expansion • Rates of Change	Thu, 8 Oct by 23:30 (11:30 pm)	***Function Values of Degree Angles*** Sat, 10 Oct by 23:30 (11:30 pm)	Wed, 21 Oct by 17:30 (5:30 pm) **In Class**	Not due this week	**Wed, 21 Oct by 19:35 (7:35 pm) In Class**
	Tue	6 Oct						
	Wed	**7 Oct**		***Take Unit 3 Exam***				
	Thu	8 Oct		**Blackboard**	**Use Honorlock**			
	Fri	9 Oct						
8	**Mon**	**12 Oct**	• Symbolic Algebraic Manipulation • Verifying Trigonometric Identities • *Review for Unit 4 Exam*	Thu, 15 Oct by 23:30 (11:30 pm) **Blackboard**	***Function Values of Radian Angles*** Sat, 17 Oct by 23:30 (11:30 pm) **Use Honorlock**	Wed, 21 Oct by 17:30 (5:30 pm) **In Class**	Sun, 18 Oct by 23:30 (11:30 pm) **Use Honorlock**	
	Tue	13 Oct						
	Wed	**14 Oct**						
	Thu	15 Oct						
	Fri	16 Oct						

<table>
<tr><th>Week</th><th>Day</th><th>Date</th><th>Topic</th><th>Learning Reflection Due</th><th>Memory Quiz Due</th><th>Unit Portfolio Due</th><th>Mastery Assessment Due</th><th>Exam Due</th></tr>
<tr><td rowspan="5">9</td><td>Mon</td><td>19 Oct</td><td rowspan="5">Other Types of Equations
Exponential and Logarithmic Equations
Roots of Polynomial Functions</td><td rowspan="2">Thu,
22 Oct by
23:30
(11:30 pm)</td><td rowspan="2">Function Values of Radian Angles

Sat,
24 Oct by
23:30
(11:30 pm)</td><td rowspan="2">Wed,
4 Nov by
17:30
(5:30 pm)
In Class</td><td rowspan="2">Not due this week</td><td rowspan="10">Wed,
4 Nov by
19:35
(7:35 pm)
In Class</td></tr>
<tr><td>Tue</td><td>20 Oct</td></tr>
<tr><td>Wed</td><td>21 Oct</td><td colspan="4">Take Unit 4 Exam</td></tr>
<tr><td>Thu</td><td>22 Oct</td><td rowspan="2">Blackboard</td><td rowspan="2">Use Honorlock</td><td rowspan="5">Wed,
4 Nov by
17:30
(5:30 pm)
In Class</td><td></td></tr>
<tr><td>Fri</td><td>23 Oct</td><td rowspan="4">Sun,
1 Nov by
23:30
(11:30 pm)
Use Honorlock</td></tr>
<tr><td rowspan="5">10</td><td>Mon</td><td>26 Oct</td><td rowspan="5">Systems of Equations
Inequalities in One Variable
Review for Unit 5 Exam</td><td rowspan="5">Thu,
29 Oct by
23:30
(11:30 pm)
Blackboard</td><td rowspan="5">Function Values of Degree and Radian Angles

Sat,
31 Oct by
23:30
(11:30 pm)
Use Honorlock</td></tr>
<tr><td>Tue</td><td>27 Oct</td></tr>
<tr><td>Wed</td><td>28 Oct</td></tr>
<tr><td>Thu</td><td>29 Oct</td></tr>
<tr><td>Fri</td><td>30 Oct</td></tr>
<tr><td rowspan="5">11</td><td>Mon</td><td>2 Nov</td><td rowspan="5">Partial Fractions
Sequences and Series
Geometric Sequences and Series</td><td rowspan="2">Thu,
5 Nov by
23:30
(11:30 pm)</td><td rowspan="2">Basic Identities

Sat,
7 Nov by
23:30
(11:30 pm)</td><td rowspan="2">Wed,
18 Nov by
17:30
(5:30 pm)
In Class</td><td rowspan="2">Not due this week</td><td rowspan="10">Wed,
18 Nov by
19:35
(7:35 pm)
In Class</td></tr>
<tr><td>Tue</td><td>3 Nov</td></tr>
<tr><td>Wed</td><td>4 Nov</td><td colspan="4">Take Unit 5 Exam</td></tr>
<tr><td>Thu</td><td>5 Nov</td><td rowspan="2">Blackboard</td><td rowspan="2">Use Honorlock</td><td rowspan="5">Wed,
18 Nov by
17:30
(5:30 pm)
In Class</td><td></td></tr>
<tr><td>Fri</td><td>6 Nov</td><td rowspan="4">Sun,
15 Nov by
23:30
(11:30 pm)
Use Honorlock</td></tr>
<tr><td rowspan="5">12</td><td>Mon</td><td>9 Nov</td><td rowspan="5">Parabolas
Ellipses
Circles
Hyperbolas
Review for Unit 6 Exam</td><td rowspan="5">Thu,
12 Nov by
23:30
(11:30 pm)
Blackboard</td><td rowspan="5">Basic Identities

Sat,
14 Nov by
23:30
(11:30 pm)
Use Honorlock</td></tr>
<tr><td>Tue</td><td>10 Nov</td></tr>
<tr><td>Wed</td><td>11 Nov</td></tr>
<tr><td>Thu</td><td>12 Nov</td></tr>
<tr><td>Fri</td><td>13 Nov</td></tr>
</table>

Week	Day	Date	Topic	Learning Reflection Due	Memory Quiz Due	Unit Portfolio Due	Mastery Assessment Due	Exam Due
13	**Mon**	**16 Nov**	• Using a Calculator • Solving Right Triangles • Law of Sines	Thu, 19 Nov by 23:30 (11:30 pm)	***Basic Identities*** Sat, 21 Nov by 23:30 (11:30 pm)	Mon, 7 Dec by 17:00 (5:00 pm) **In Class**	Not due this week	**Mon, 7 Dec by 19:00 (7:00 pm) In Class**
	Tue	17 Nov						
	Wed	**18 Nov**		***Take Unit 6 Exam***				
	Thu	19 Nov		**Blackboard**	**Use Honorlock**			
	Fri	20 Nov						
14	**Mon**	**23 Nov**	• Law of Cosines • Triangle Applications • Radian Applications	Thu, 26 Nov by 23:30 (11:30 pm) **Blackboard**	***Multiple Angle Identities*** Sat, 28 Nov by 23:30 (11:30 pm) **Use Honorlock**	Mon, 7 Dec by 17:00 (5:00 pm) **In Class**	Sun, 29 Nov by 23:30 (11:30 pm) **Use Honorlock**	
	Tue	24 Nov						
	Wed	25 Nov		**South Plains College Closed – No Class – Thanksgiving Break**				
	Thu	26 Nov						
	Fri	27 Nov						
15	**Mon**	**30 Nov**	• Vectors • Vector Applications	Thu, 3 Dec by 23:30 (11:30 pm)	***Multiple Angle Identities*** Sat, 5 Dec by 23:30 (11:30 pm)	Mon, 7 Dec by 17:00 (5:00 pm)	Sun, 6 Dec by 23:30 (11:30 pm)	
	Tue	1 Dec						
	Wed	**2 Dec**						
	Thu	3 Dec		*Last Day to Drop a Class*				
	Fri	4 Dec		**Blackboard**	**Use Honorlock**	**In Class**	**Use Honorlock**	
16	**Mon**	**7 Dec**	**Final Group Project Due by 23:30 (11:30 pm)**	Mon, 7 Dec by 19:00 (7:00 pm) **Blackboard**	**Final Exam Due by 19:00 (7:00 pm) In Class**			
	Tue	8 Dec	**Semester Over**					
	Wed	9 Dec						
	Thu	10 Dec						
	Fri	11 Dec	**Graduation**					