KNOWLEDGE IS POWER

**FALL 2024**

## Welcome to Plane Trigonometry

**This is an online course that allows for us to study according to your schedule, but assignments have due dates.**

Are you ready to explore the relationship between the angles and sides of a triangle? As your instructor, I am looking forward to teaching you the math skills needed for creating satellite systems, roofing a house, creating maps, and navigating ships and aircraft.

**Student Drop-in Hours (A.K.A. Office Hours)**
**Lubbock Downtown Center (B001):**
Mondays and Wednesdays 4:00 pm - 5:30 pm

**Online (Link on Blackboard):**
Mondays 3:00 pm - 4:00 pm
Tuesdays 7:00 pm - 8:00 pm
Wednesdays 3:00 pm - 4:00 pm
Thursdays 9:00 am - 10:00 am
Fridays 1:30 pm - 2:30 pm

or **by appointment**
(scan QR code or use the link to  make an appointment)
https://outlook.office365.com/owa/calendar/DrHPInstructorMeeting
s@southplainscollege.edu/bookings/

**Dr. Sheyleah Harris-Plant**
**(she, her, hers)**
**DR. HP**

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**2** What are we required to do in this class?

**3** How do we pass this class?

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**PH: 806-716-2665**

**MATH BUILDING 120A**

**SHARRIS@SOUTHPLAINSCOLLEGE.EDU**

# What are we required to do for this class?

Our classroom is online. This means the lecture material is on Blackboard.

The due dates for assignments can be found on the document class calendar, the Blackboard calendar, and the assignments in Blackboard.

Each lecture has notes available to be printed and lecture videos covering the lecture notes. The lecture notes will be submitted and graded on completion.

Practice problems (homework problems) will not be collected for a grade because the amount of practice each person needs is individual to their learning style and mathematical history.

## Our focus is on learning and mastery of the material.

# COURSE LEARNING GOALS
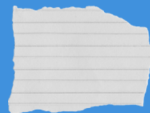
At the end of the semester, we will be able to:

- Compute the values of trigonometric functions
- Graph trigonometric functions
- Prove trigonometric identities
- Solve trigonometric equations
- Solve right and oblique triangles
- Use the concepts of trigonometry to solve applications.

# SUPPLIES

Writing Utensil

8.5 inch x 11 inch paper

Scientific Calculator (No Graphing)

Good Internet Connection

Web Camera

# What are the assignments for this class?

## Weekly Lecture Notes (Worth 0.50 points each)

Each week has lecture notes available to be printed and lecture videos covering the lecture notes. The lecture notes will be submitted on Blackboard and graded on completion. There will be 15 notes, with 5 notes being extra credit. Any missed lecture notes will not be allowed to be submitted after the due date.

## Memory Quizzes (Worth 0.50 points each)

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 in 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.

## Mastery Assessments (Worth 0.5 point each)

Free response assessment that 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 weekly on Gradescope. There will be 15 assessments, with 5 assessments being extra credit. 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 missed Learning Reflection will not be allowed to be taken after the due date.

## Unit Exams (Worth 12 points each)

Free response assessment that you can not 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. Upload work on Gradescope. There will be 5 exams, with no extra credit assignments.

## Written Final Exams (Worth 10 points)

Comprehensive free response assessment that you can not 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 has been earned. There will only be one assignment at the end of the semester.
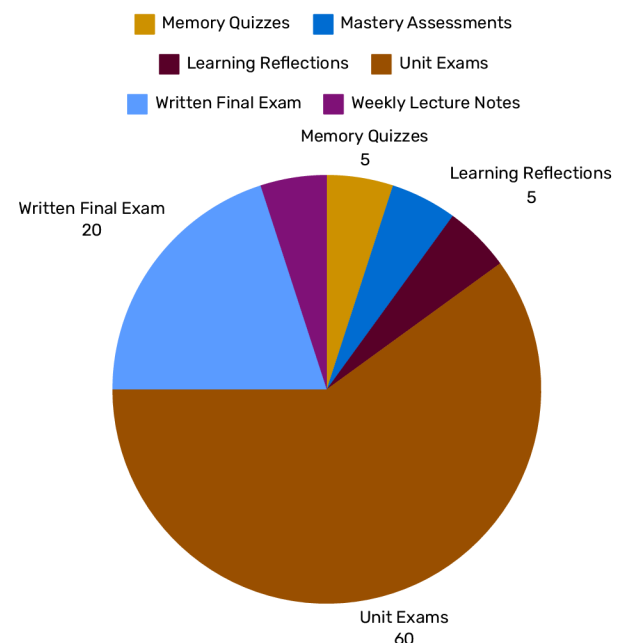
To find the relative (percentage) grade, divide the total points by the possible points and multiply by 100.

# ASSIGNMENT WEIGHTS

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

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

- Weekly Lecture Notes:  5 points
- Memory Quizzes:  5 points
- Mastery Assessments:  5 points
- Learning Reflections:  5 points
- Unit Exams: 60 points
- Written Final Exam: 20 points

Memory Quizzes | Mastery Assessments
Learning Reflections | Unit Exams
Written Final Exam | Weekly Lecture Notes

Memory Quizzes 5
Learning Reflections 5
Written Final Exam 20
Unit Exams 60

# 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 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 usually are lower scores and losing the opportunity to learn material. The consequences of being caught cheating could be between a zero on the assignment to being expelled from South Plains College.

## 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.

# EXPECTATIONS OF INSTRUCTOR

- Provide notice of any schedule changes.
- Keep Blackboard updated with grades and materials.
- Present the material in a way that the majority 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 course material.

# BLACKBOARD MESSAGES & EMAIL

## Communications 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)

## I Will

@ Check my messages regularly during weekdays before 7:00 pm

@ Do my best to respond within 24 hours

## I 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

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**MATH BUILDING 120A**

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# Success Roadmap

## Watch Videos

Each section has lecture videos embedded in Blackboard in the Course Content for each week.

## Practice Math Skills

Each lecture has examples worked out and some examples for you to practice. Each lecture has practice problems for you to practice your math skills.

### Suggested Schedule

| Days | Actions |
| --- | --- |
| Sunday - Tuesday | Watch the week's lecture videos and work examples |
| Wednesday- Friday | • Practice skills covered in week's material using practice problems<br>• Ask any questions<br>• Submit Mastery Assessment, Learning Reflection, Lecture Notes, Memory Quiz, and Unit Exams |
| Saturday | Catch up, if you fell behind during the week or needed extra time |

## NETIQUETTE: INTERNET ETIQUETTE

- Tip: Read everything out loud before you send it.
- Be careful with humor and sarcasm. Everyone does not read comments the same. Will everyone get the joke?
- Yes, grammar, spelling, and punctuation matter.
- Words have meaning.
- Don't post or share (even privately) inappropriate material. Nothing is truly private online.
- Be forgiving and forget others mistakes. If you're offended by something another student says online, keep in mind that you may have misunderstood their intentions. Give them the benefit of the doubt.
- Respect the time and bandwidth of others. Did you get to the point quickly?

## NETIQUETTE: INTERNET ETIQUETTE CONTINUED

- Make sure identification is clear in all communications. Begin with a salutation ("Good afternoon, Dr. HP!") and end with your signature ("Hannah Kay, Plane Trigonometry Section 151").

- Be respectful. If you wouldn't say it to someone's face, don't say it online.

- Be aware of strong language, all caps (IS SHOUTING), and exclamation points. They can be misinterpreted as intense anger or humor without the appropriate context.

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MATH BUILDING 120A

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# We Remember

by Edgar Dale

**10%** of what we read

**20%** of what we hear

**30%** of what we see

**50%** of what we see and hear

**70%** of what we say and write

**90%** of what we do

# MATHEMATICAL PRACTICES TO IMPROVE

1. Making sense of problems and persisting while solving them.

2. Engaging in productive struggle with mathematics problems.

3. Productively collaborate with others.

4. Communicate through mathematical writing.

# Student Resources

## Class Resources

In our Blackboard course, there are a lot of resources to help us be successful.

- Each example, even the ones not worked out in the lecture videos, has a video in the example videos folder. Please keep in mind that the videos are in a playlist, and you will need to choose the required video from the list provided by the menu icon on the upper right.

- Keys (worked-out solutions) are provided for every practice problem and every assessment (after the due date) in the Keys folder.

- Under Additional Resources, there are virtual flashcards for the memory quiz information, 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 at https://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php 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: https://www.southplainscollege.edu/syllabusstatements/ or this QR Code.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: https://www.southplainscollege.edu/emergency/covid19-faq.php.

The person who asks a question is a fool for five minutes, they 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.
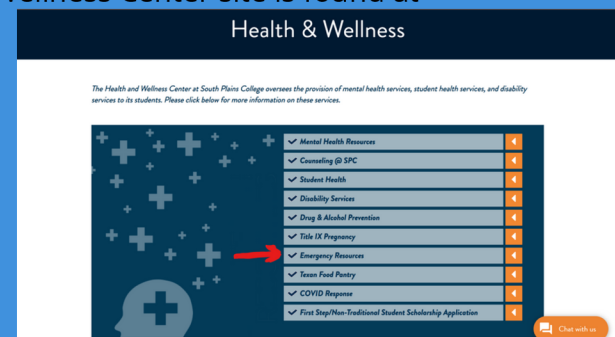> - Stephen Hawking

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

# 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 Health and Wellness Center site is found at https://www.southplainscollege.edu/health/studenthealth.php or this QR Code

## Health & Wellness

The Health and Wellness Center at South Plains College oversees the provision of mental health services, student health services, and disability services to its students. Please click below for more information on these services.

- ✔ Mental Health Resources
- ✔ Counseling @ SPC
- ✔ Student Health
- ✔ Disability Services
- ✔ Drug & Alcohol Prevention
- ✔ Title IX Pregnancy
- ✔ Emergency Resources
- ✔ Texan Food Pantry
- ✔ COVID Response
- ✔ First Step/Non-Traditional Student Scholarship Application

Chat with us

# 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 feel that there is a mistake 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.

**South Plains College**
**Common Course Syllabus: MATH 1316**
**Revised July 2023**

**Department:** Mathematics, Engineering, and Computer Science

**Discipline:** Mathematics

**Course Number:** MATH 1316

**Course Title:** Plane Trigonometry

**Available Formats:**  conventional, hybrid, internet, and ITV

**Campuses:** Levelland, Downtown Center, and Dual Credit

**Course Description:**  In-depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included.

**Prerequisite:** Minimum score of 350 on the TSIA1, minimum score of 950 on the TSIA2, a diagnostic score of 6 on the TSIA2, TSI-exempt status, or a successful completion with a grade of 'C' or better in MATH 1314.

**Credit:** 3  **Lecture:**  3  **Lab:**  0

**Textbook:** *No textbook required*

**Supplies:** Please see the instructor's course information sheet for specific supplies.

**This course partially satisfies a Core Curriculum Requirement**: Mathematics Foundational Component Area (020)

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

**Student Learning Outcomes:** Upon completion of this course and receiving a passing grade, the student will be able to:

1. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.
2. Graph trigonometric functions and their transformations.
3. Prove trigonometric identities.
4. Solve trigonometric equations.
5. Solve right and oblique triangles.
6. Use the concepts of trigonometry to solve applications.

**Student Learning Outcomes Assessment:** A pre- and post-test questions will be used to determine the extent of improvement that the students have gained during the semester

**Course Evaluation:** There will be departmental final exam questions given by all instructors.

**Attendance/Student Engagement Policy:** Attendance and engagement are the most critical activities for success in this course. The instructor maintains records of the student's attendance and submission of assignments throughout the semester. The student is expected to attend at least eighty percent (80%) of the **total** class meetings **and** submit at least eighty percent (80%) of the **total** class assignments to have the best chance of success. If the student fails to meet these minimum requirements, the instructor may remove the student from the class with an X, upon their discretion, to help the student from harming their GPA. If the student can not receive an X, the instructor will assign an F.

Plagiarism violations include, but are not limited to, the following:
1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill;
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:
1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain an unfair advantage;
5. Taking an examination for another;
6. Altering grade records;
7. Copying another's work during an examination or on a homework assignment;
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
9. Taking pictures of a test, test answers, or someone else's paper.

**Student Code of Conduct Policy**: Any successful learning experience requires mutual respect from the student and the instructor. Neither the instructor nor the student should be subject to others' rude, disruptive, intimidating, aggressive, or demeaning behavior. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

For information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title IX Pregnancy Accommodations, CARE Team, and Campus Concealed Carry, please visit https://www.southplainscollege.edu/syllabusstatements/.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: https://www.southplainscollege.edu/emergency/covid19-faq.php.

**SPC Bookstore Price Match Guarantee Policy:** If you find a lower price on a textbook, the South Plains College bookstore will match that price. The difference will be given to the student on a bookstore gift certificate! The gift certificate can be spent on anything in the store.

If students have already purchased textbooks and then find a better price later, the South Plains College bookstore will price match through the first week of the semester. The student must have a copy of the receipt and the book has to be in stock at the competition at the time of the price match.

The South Plains College bookstore will happily price match BN.com & books on Amazon noted as *ships from and sold by Amazon.com*. Online marketplaces such as *Other Sellers* on Amazon, Amazon's Warehouse Deals, *fulfilled by* Amazon, BN.com Marketplace, and peer-to-peer pricing are not eligible. They will price match the exact textbook, in the same edition and format, including all accompanying materials, like workbooks and CDs.

A textbook is only eligible for price match if it is in stock on a competitor's website at time of the price match request. Additional membership discounts and offers cannot be applied to the student's refund.

Price matching is only available on in-store purchases. Digital books, access codes sold via publisher sites, rentals and special orders are not eligible. Only one price match per title per customer is allowed.

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.

# South Plains College
## Mathematics, Engineering & Computer Science

**Fall 2024 MATH-1316 Tentative Calendar**

| Week | Day | Date | Topic | Learning Reflection Due | Memory Quiz Due | Lecture Notes Due | Mastery Assessment Due | Exam Due |
|------|-----|------|-------|------------------------|-----------------|-------------------|------------------------|----------|
| 0 | Thu | 22 Aug | • Class Introduction<br>• Algebra Review | Not due this week | Not due this week | Not due this week | Not due this week | Sat, 31 Aug by 23:30 (11:30 pm) **Use Honorlock** |
| | Fri | 23 Aug | | | | | | |
| 1 | Mon | 26 Aug | • Angles<br>• Non-Acute Angles | Not due this week | Not due this week | Sat, 31 Aug by 23:30 (11:30 pm) | Sun, 1 Sep by 23:30 (11:30 pm) **Use Honorlock** | Sun, 22 Sep by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 27 Aug | | | | | | |
| | Wed | 28 Aug | | | | | | |
| | Thu | 29 Aug | | | | | | |
| | Fri | 30 Aug | | | | | | |
| 2 | Mon | 2 Sep | **No School – Labor Day** | | | | | |
| | Tue | 3 Sep | • Trigonometric Functions | Thu, 5 Sep by 23:30 (11:30 pm) | Sat, 7 Sep by 23:30 (11:30 pm) **Use Honorlock** | Sat, 7 Sep by 23:30 (11:30 pm) | Sun, 8 Sep by 23:30 (11:30 pm) **Use Honorlock** | Sun, 22 Sep by 23:30 (11:30 pm) **Use Honorlock** |
| | Wed | 4 Sep | | | | | | |
| | Thu | 5 Sep | | | | | | |
| | Fri | 6 Sep | | | | | | |
| 3 | Mon | 9 Sep | • Non-Standard Position Angles<br>• *Review for Unit 1 Exam* | Thu, 12 Sep by 23:30 (11:30 pm) | Sat, 14 Sep by 23:30 (11:30 pm) **Use Honorlock** | Sat, 14 Sep by 23:30 (11:30 pm) | Sun, 15 Sep by 23:30 (11:30 pm) **Use Honorlock** | Sun, 22 Sep by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 10 Sep | | | | | | |
| | Wed | 11 Sep | | | | | | |
| | Thu | 12 Sep | | | | | | |
| | Fri | 13 Sep | | | | | | |

| Week | Day | Date | Topic | Learning Reflection Due | Memory Quiz Due | Lecture Notes Due | Mastery Assessment Due | Exam Due |
|---|---|---|---|---|---|---|---|---|
| 4 | Mon | 16 Sep | • Using a Calculator<br>• Solving Right Triangles | Thu, 19 Sep by 23:30 (11:30 pm) | Sat, 21 Sep by 23:30 (11:30 pm) **Use Honorlock** | Sat, 21 Sep by 23:30 (11:30 pm) | Sun, 22 Sep by 23:30 (11:30 pm) **Use Honorlock** | Sun, 13 Oct by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 17 Sep | | | | | | |
| | Wed | 18 Sep | | | | | | |
| | Thu | 19 Sep | | | | | | |
| | Fri | 20 Sep | | | | | | |
| 5 | Mon | 23 Sep | • Law of Sines<br>• Law of Cosines | Thu, 26 Sep by 23:30 (11:30 pm) | Sat, 28 Sep by 23:30 (11:30 pm) **Use Honorlock** | Sat, 28 Sep by 23:30 (11:30 pm) | Sun, 29 Sep by 23:30 (11:30 pm) **Use Honorlock** | Sun, 13 Oct by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 24 Sep | | | | | | |
| | Wed | 25 Sep | | | | | | |
| | Thu | 26 Sep | | | | | | |
| | Fri | 27 Sep | | | | | | |
| 6 | Mon | 30 Sep | • Triangle Applications<br>• Radian Applications<br>• *Review for Unit 2 Exam* | Thu, 3 Oct by 23:30 (11:30 pm) | Sat, 5 Oct by 23:30 (11:30 pm) **Use Honorlock** | Sat, 5 Oct by 23:30 (11:30 pm) | Sun, 6 Oct by 23:30 (11:30 pm) **Use Honorlock** | Sun, 13 Oct by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 1 Oct | | | | | | |
| | Wed | 2 Oct | | | | | | |
| | Thu | 3 Oct | | | | | | |
| | Fri | 4 Oct | | | | | | |
| 7 | Mon | 7 Oct | • Characteristics of Trigonometric Functions<br>• Sine and Cosine Graphs | Thu, 10 Oct by 23:30 (11:30 pm) | Sat, 12 Oct by 23:30 (11:30 pm) **Use Honorlock** | Sat, 12 Oct by 23:30 (11:30 pm) | Sun, 13 Oct by 23:30 (11:30 pm) **Use Honorlock** | Sun, 27 Oct by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 8 Oct | | | | | | |
| | Wed | 9 Oct | | | | | | |
| | Thu | 10 Oct | | | | | | |
| | Fri | 11 Oct | | | | | | |
| 8 | Mon | 14 Oct | • Secant and Cosecant Graphs<br>• Tangent and Cotangent Graphs<br>• *Review for Unit 3 Exam* | Thu, 17 Oct by 23:30 (11:30 pm) | Sat, 19 Oct by 23:30 (11:30 pm) **Use Honorlock** | Sat, 19 Oct by 23:30 (11:30 pm) | Sun, 20 Oct by 23:30 (11:30 pm) **Use Honorlock** | Sun, 27 Oct by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 15 Oct | | | | | | |
| | Wed | 16 Oct | | | | | | |
| | Thu | 17 Oct | | | | | | |
| | Fri | 18 Oct | | | | | | |

| Week | Day | Date | Topic | Learning Reflection Due | Memory Quiz Due | Lecture Notes Due | Mastery Assessment Due | Exam Due |
|---|---|---|---|---|---|---|---|---|
| 9 | Mon | 21 Oct | • Fundamental Identities<br>• Simplifying Trigonometric Identities | Thu, 24 Oct by 23:30 (11:30 pm) | Sat, 26 Oct by 23:30 (11:30 pm) **Use Honorlock** | Sat, 26 Oct by 23:30 (11:30 pm) | Sun, 27 Oct by 23:30 (11:30 pm) **Use Honorlock** | Sun, 17 Nov by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 22 Oct | | | | | | |
| | Wed | 23 Oct | | | | | | |
| | Thu | 24 Oct | | | | | | |
| | Fri | 25 Oct | | | | | | |
| 10 | Mon | 28 Oct | • Verifying Trigonometric Identities | Thu, 31 Oct by 23:30 (11:30 pm) | Sat, 2 Nov by 23:30 (11:30 pm) **Use Honorlock** | Sat, 2 Nov by 23:30 (11:30 pm) | Sun, 3 Nov by 23:30 (11:30 pm) **Use Honorlock** | Sun, 17 Nov by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 29 Oct | | | | | | |
| | Wed | 30 Oct | | | | | | |
| | Thu | 31 Oct | | | | | | |
| | Fri | 1 Nov | | | | | | |
| 11 | Mon | 4 Nov | • Inverse Trigonometric Functions<br>• Solving Trigonometric Equations with Single Angles<br>• *Review for Unit 4 Exam* | Thu, 7 Nov by 23:30 (11:30 pm) | Sat, 9 Nov by 23:30 (11:30 pm) **Use Honorlock** | Sat, 9 Nov by 23:30 (11:30 pm) | Sun, 10 Nov by 23:30 (11:30 pm) **Use Honorlock** | Sun, 17 Nov by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 5 Nov | | | | | | |
| | Wed | 6 Nov | | | | | | |
| | Thu | 7 Nov | | | | | | |
| | Fri | 8 Nov | | | | | | |
| 12 | Mon | 11 Nov | • Sum and Difference Identities<br>• Double-Angle Identities | Thu, 14 Nov by 23:30 (11:30 pm) | Sat, 16 Nov by 23:30 (11:30 pm) **Use Honorlock** | Sat, 16 Nov by 23:30 (11:30 pm) | Sun, 17 Nov by 23:30 (11:30 pm) **Use Honorlock** | Tue, 3 Dec by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 12 Nov | | | | | | |
| | Wed | 13 Nov | | | | | | |
| | Thu | 14 Nov | | | | | | |
| | Fri | 15 Nov | | | | | | |
| 13 | Mon | 18 Nov | • Half-Angle and Power-Reducing Identities<br>• Sum-to-Product and Product-to-Sum Identities<br>• Solving Trigonometric Equations with Multiple Angles<br>• *Review for Unit 5 Exam* | Thu, 21 Nov by 23:30 (11:30 pm) | Sat, 23 Nov by 23:30 (11:30 pm) **Use Honorlock** | Sat, 23 Nov by 23:30 (11:30 pm) | Sun, 24 Nov by 23:30 (11:30 pm) **Use Honorlock** | Tue, 3 Dec by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 19 Nov | | | | | | |
| | Wed | 20 Nov | | | | | | |
| | Thu | 21 Nov | | | | | | |
| | Fri | 22 Nov | | | | | | |

| Week | Day | Date | Topic | Learning Reflection Due | Memory Quiz Due | Lecture Notes Due | Mastery Assessment Due | Exam Due |
|---|---|---|---|---|---|---|---|---|
| 14 | Mon | 25 Nov | • Vectors and Dot Product<br>• Vector Applications | Sat, 30 Nov by 23:30 (11:30 pm) | Sat, 30 Nov by 23:30 (11:30 pm) **Use Honorlock** | Sat, 30 Nov by 23:30 (11:30 pm) | Sun, 1 Dec by 23:30 (11:30 pm) **Use Honorlock** | Wed, 11 Dec by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 26 Nov | | | | | | |
| | Wed | 27 Nov | No School – Thanksgiving Break | | | | | |
| | Thu | 28 Nov | | | | | | |
| | Fri | 29 Nov | | | | | | |
| 15 | Mon | 2 Dec | Last Day to Drop a Class | | | | | Wed, 11 Dec by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 3 Dec | • Polar Plane<br>• Complex Plane and Forms of Complex Numbers | Thu, 5 Dec by 23:30 (11:30 pm) | Sat, 7 Dec by 23:30 (11:30 pm) **Use Honorlock** | Sat, 7 Dec by 23:30 (11:30 pm) | Sun, 8 Dec by 23:30 (11:30 pm) **Use Honorlock** | |
| | Wed | 4 Dec | | | | | | |
| | Thu | 5 Dec | | | | | | |
| | Fri | 6 Dec | | | | | | |
| 16 | Mon | 9 Dec | *Review for Final Exam* | Wed, 11 Dec by 23:30 (11:30 pm) | Not due this week | Not due this week | Not due this week | Wed, 11 Dec by 23:30 (11:30 pm) **Use Honorlock** |
| | Tue | 10 Dec | | | | | | |
| | Wed | 11 Dec | **Final Exam Due**<br>**by 23:30 (11:30 pm)**<br>**Use Honorlock** | | | | | |
| | Thu | 12 Dec | **Semester Over** | | | | | |
| | Fri | 13 Dec | **Graduation** | | | | | |