# PRECALCULUS



**FALL 2024** 

# **Welcome to Precalculus**

### 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 integrated algebra, trigonometry, and analytic geometry skills used in Calculus? As your instructor, I am looking forward to providing you the opportunity to acquire and practice the math skills needed to be successful in Calculus.

# **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/

# PH: 806-716-2665 MATH BUILDING 120A

# KNOWLEDGE IS POWER

Math-2412-151/451

# Dr. Sheyleah Harris-Plant (she, her, hers)



# **CONTENTS**

What will we learn in this class?

What are we required to do in this class?

How do we pass this class?

What resources do we have to be successful?

# 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:

- 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.

# **SUPPLIES & OPTIONAL TEXTS**

Writing Utensil



Scientific Calculator (No Graphing) Precalculus, 2nd ed. OpenStax ISBN 9781951693398



Good Internet Connection



Web Camera



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# 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 taken 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 6 exams, with no extra credit assignments.

### Final Group Project (Worth 10 points)

Each group will create and record a lecture from a skeleton lecture provided on skills directly applicable to Calculus and use the Class Collaboration feature in Blackboard to record the lecture. The instructor will assign the groups. The project grade will be part of each student's final exam grade and will consist of multiple parts. The lecture presentation will be worth 5 points, the self-reflection activity will be worth 2 points, the peer evaluations will be worth 2 points, and the submission of the team contract will be worth 1 point. Due to this format, each student in the group can receive a different grade according to the amount of work and collaboration each member does. So it is important to work together and communicate.

### 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.

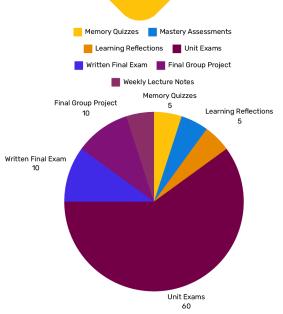
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# ASSIGNMENT WEIGHTS

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
- Memory Quizzes: 5 points
- Mastery Assessments: 10 points
- Assignment Wrappers: 5 points
- Unit Exams: 60 points
- Final Exam: 20 points



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

# **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.

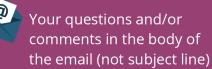
# Emails Should Include



Your first and last name



Your class name and section



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# **WEB & EMAIL**



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

# **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<br>examples  |
| Wednesday- Friday | <ul> <li>Practice skills covered in week's material using practice problems</li> <li>Ask any questions</li> <li>Submit Mastery Assessment, Learning Reflection, Lecture Notes, Memory Quiz, and Unit Exams</li> </ul> |
| Saturday          | Catch up, if you fell behind during the week or<br>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 ("Hi, 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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# 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

# 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

# **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.

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# **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.p



### SPC Policies

South Plains College policies concerning diversity, disabilities, non-discrimination, Title IX Pregnancy Accommodations, and Campus Concealed Carry Statements can be found here: <u>https://www.southplainscollege.edu/syllabusstatements/</u> or this QR Code.

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



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 <u>https://www.southplainscollege.edu/health/studenthealth.php</u>

or this QR Code



### Health & Wellness

| i+ • <b> </b> •_`+  + <mark></mark>     | Mental Health Resources                                   | 4 |
|---|---|---|
| ▼_` * + • 🔽                             | Counseling @ SPC  | 4 |
| + _ + ~                                 | itudent Health  | 4 |
| `. <b>+</b> . ⊻                         | Disability Services                                       | 4 |
|   | Drug & Alcohol Prevention                                 | 4 |
| • 🖶 + 📜 🛛 🗹                             | itle IX Pregnancy   | 4 |
| · · · • • • • • • • • • • • • • • • • • | imergency Resources                                       | 4 |
|   | 'exan Food Pantry   | 4 |
|   | COVID Response  | 4 |
|   | irst Step/Non-Traditional Student Scholarship Application | 4 |

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# **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 <u>Honorlock Chrome Extension</u> 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.

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### South Plains College Common Course Syllabus: MATH 2412 Revised July 2023

Department: Mathematics, Engineering, and Computer Science

**Discipline:** Mathematics

Course Number: MATH 2412

Course Title: Pre-Calculus

Available Formats: conventional, hybrid, and internet

Campuses: Levelland, Downtown Center, and Dual Credit

**Course Description:** In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

**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, a successful completion with a grade of 'C' or better in MATH 0320, or successful completion of NCBM-0114, or a successful completion with a grade of 'C' or better in MATH 1314.

Credit: 4 Lecture: 3 Lab: 2

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. Demonstrate and apply knowledge of properties of functions.
- 2. Recognize and apply algebraic and transcendental functions and solve related equations.
- 3. Apply graphing techniques to algebraic and transcendental functions.
- 4. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.
- 5. Prove trigonometric identities.
- 6. Solve right and oblique triangles.

**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 <u>may</u> 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: <u>https://www.southplainscollege.edu/emergency/covid19-faq.php</u>.

**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.



# Fall 2024 MATH-2412 Tentative Calendar

| Week | Day | Date            |                  | Торіс  | Learning<br>Reflection<br>Due            | Memory<br>Quiz Due   | Lecture<br>Notes<br>Due                  | Mastery<br>Assessment<br>Due                                 | Exam<br>Due  |
|------|-----|-----------------|------------------|--|--|--|--|--|--|
| 0    | Thu | 22<br>Aug       | •                | Introduction   | Not due this                             | Not due  | Not due<br>this week                     | Not due this<br>week   | Sat,<br>31 Aug by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Fri | 23<br>Aug       |                  |  | week                                     | this week  |  |  |  |
|      | Mon | 26<br>Aug       | - •              | Angles<br>Non-Acute<br>Angles  |  |  |  |  | Sun,<br>15 Sep by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | 27<br>Aug       |                  |  |  |  | Sat,                                     | Sun,<br>1 Sep by   |  |
| 1    | Wed | 28<br>Aug       |                  |  | Not due this<br>week                     | Not due<br>this week   | 31 Aug by<br>23:30                       | 23:30<br>(11:30 pm)  |  |
|      | Thu | 29<br>Aug       |                  |  |  |  | (11:30 pm)                               | Use<br>Honorlock   |  |
|      | Fri | 30<br>Aug       |                  |  |  |  |  |  |  |
|      | Mon | 2<br>Sep        | -<br>-<br>-<br>- | Functions and<br>Function Notation   |  | No S   | chool – Labo                             | or Day   |  |
|      | Tue | 3<br>Sep        |                  | Linear Functions<br>Quadratic<br>Functions<br>Polynomial<br>Functions<br>Review for Unit 1 | Thu,<br>5 Sep by<br>23:30<br>(11:30 pm)  | Sat,<br>7 Sep by<br>23:30<br>(11:30 pm)<br><b>Use</b>        | Sat,<br>7 Sep by<br>23:30<br>(11:30 pm)  | Sun,<br>8 Sep by<br>23:30<br>(11:30 pm)<br><b>Use</b>        | Sun,<br>15 Sep by<br>23:30<br>(11:30 pm)<br><b>Use</b>       |
| 2    | Wed | 4<br>Sep        |                  |  |  |  |  |  |  |
|      | Thu | 5<br>Sep        |                  |  |  |  |  |  |  |
|      | Fri | 6<br>Sep        |                  | Exam   |  | Honorlock  |  | Honorlock  | Honorlock  |
|      | Mon | 9<br>Sep        | •                | Radical Functions  | Thu,<br>12 Sep by<br>23:30<br>(11:30 pm) | Sat,<br>14 Sep by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sat,<br>14 Sep by<br>23:30<br>(11:30 pm) | Sun,<br>15 Sep by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sun,<br>29 Sep by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | 10<br>Sep       |                  | Rational<br>Functions<br>Trigonometric<br>Functions<br>Non-Standard<br>Position Angles     |  |  |  |  |  |
| 3    | Wed | 11<br>Sep<br>12 |                  |  |  |  |  |  |  |
|      | Thu | 12<br>Sep<br>13 |                  |  |  |  |  |  |  |
|      | Fri | Sep<br>16       |                  |  |  |  |  |  |  |
|      | Mon | Sep<br>17       | - •<br>•<br>•    | Trigonometric<br>Function Graphs<br>Exponential<br>Functions<br>Logarithmic<br>Functions   | Thu,<br>19 Sep by<br>23:30<br>(11:30 pm) | Sat,<br>21 Sep by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sat,<br>21 Sep by<br>23:30<br>(11:30 pm) | Sun,<br>22 Sep by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sun,<br>29 Sep by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | Sep<br>18       |                  |  |  |  |  |  |  |
| 4    | Wed | Sep<br>19       |                  |  |  |  |  |  |  |
|      | Thu | Sep<br>20       | •                | Review for Unit 2<br>Exam  | (11.00 pm)                               |  |  |  |  |
|      | Fri | Sep             |                  |  |  |  |  |  |  |



| Week | Day | Date      | Торіс   | Learning<br>Reflection<br>Due            | Memory<br>Quiz Due   | Lecture<br>Notes<br>Due                  | Mastery<br>Assessment<br>Due                                 | Exam<br>Due  |
|------|-----|-----------|---|--|--|--|--|--|
|      | Mon | 23<br>Sep | Properties of     Logarithmic   | Thu,<br>26 Sep by<br>23:30               |  | Sat,<br>28 Sep by<br>23:30<br>(11:30 pm) | Sun,<br>29 Sep by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |  |
|      | Tue | 24<br>Sep | <ul><li>Functions</li><li>Fundamental</li></ul>                           |  | Sat,<br>28 Sep by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock       |  |  | Sun,<br>13 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
| 5    | Wed | 25<br>Sep | <ul><li>Identities</li><li>Sum and</li></ul>                              |  |  |  |  |  |
|      | Thu | 26<br>Sep | Difference<br>Identities  | (11:30 pm)                               |  |  |  |  |
|      | Fri | 27<br>Sep | Double-Angle     Identities   |  |  |  |  |  |
|      | Mon | 30<br>Sep | Half-angle and     Power-Reducing   |  |  |  |  | Sun,<br>13 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | 1<br>Oct  | <ul><li>Identities</li><li>Sum-to-Product</li></ul>                       | Thu,<br>3 Oct by<br>23:30<br>(11:30 pm)  | Sat,<br>5 Oct by<br>23:30<br>(11:30 pm)<br><b>Use</b><br>Honorlock | Sat,<br>5 Oct by<br>23:30<br>(11:30 pm)  | Sun,<br>6 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock  |  |
| 6    | Wed | 2<br>Oct  | and Product-to-<br>Sum Identities   |  |  |  |  |  |
|      | Thu | 3<br>Oct  | Combining     Functions   |  |  |  |  |  |
|      | Fri | 4<br>Oct  | <ul> <li>Inverse Functions</li> <li>Review for Unit 3<br/>Exam</li> </ul> |  |  |  |  |  |
|      | Mon | 7<br>Oct  |   | Thu,<br>10 Oct by<br>23:30<br>(11:30 pm) | Sat,<br>12 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock       | Sat,<br>12 Oct by<br>23:30<br>(11:30 pm) | Sun,<br>13 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sun,<br>27 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | 8<br>Oct  | Transformations   |  |  |  |  |  |
| 7    | Wed | 9<br>Oct  | <ul> <li>Binomial<br/>Expansion</li> </ul>                                |  |  |  |  |  |
|      | Thu | 10<br>Oct | Rates of Change   |  |  |  |  |  |
|      | Fri | 11<br>Oct |   |  |  |  |  |  |
|      | Mon | 14<br>Oct | Symbolic  | Thu,<br>17 Oct by<br>23:30<br>(11:30 pm) | Sat,<br>19 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock       | Sat,<br>19 Oct by<br>23:30<br>(11:30 pm) | Sun,<br>20 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sun,<br>27 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | 15<br>Oct | Algebraic<br>Manipulation   |  |  |  |  |  |
| 8    | Wed | 16<br>Oct | <ul> <li>Verifying<br/>Trigonometric</li> </ul>                           |  |  |  |  |  |
|      | Thu | 17<br>Oct | <ul><li>Identities</li><li><i>Review for Unit 4</i></li></ul>             |  |  |  |  |  |
|      | Fri | 18<br>Oct | Exam  |  |  |  |  |  |



| Week | Day | Date      | Торіс   | Learning<br>Reflection<br>Due            | Memory<br>Quiz Due   | Lecture<br>Notes<br>Due                  | Mastery<br>Assessment<br>Due                                 | Exam<br>Due  |
|------|-----|-----------|---|--|--|--|--|--|
|      | Mon | 21<br>Oct | Other Types of  | Thu,<br>24 Oct by<br>23:30<br>(11:30 pm) |  | Sat,<br>26 Oct by<br>23:30<br>(11:30 pm) | Sun,<br>27 Oct by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sun,<br>10 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | 22<br>Oct | <ul><li>Equations</li><li>Exponential and</li></ul>       |  | Sat,<br>26 Oct by  |  |  |  |
| 9    | Wed | 23<br>Oct | Logarithmic<br>Equations                                  |  | 23:30<br>(11:30 pm)<br><b>Use</b><br>Honorlock               |  |  |  |
|      | Thu | 24<br>Oct | Roots of     Polynomial                                   |  |  |  |  |  |
|      | Fri | 25<br>Oct | Functions   |  |  |  |  |  |
|      | Mon | 28<br>Oct |   |  |  |  |  | Sun,<br>10 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | 29<br>Oct | <ul> <li>Systems of<br/>Equations</li> </ul>              | Thu,<br>31 Oct by<br>23:30<br>(11:30 pm) | Sat,<br>2 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock  | Sat,<br>2 Nov by<br>23:30<br>(11:30 pm)  | Sun,<br>3 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock  |  |
| 10   | Wed | 30<br>Oct | Inequalities in     One Variable                          |  |  |  |  |  |
|      | Thu | 31<br>Oct | Review for Unit 5     Exam                                |  |  |  |  |  |
|      | Fri | 1<br>Nov  |   |  |  |  |  |  |
|      | Mon | 4<br>Nov  |   | Thu,<br>7 Nov by<br>23:30<br>(11:30 pm)  | Sat,<br>9 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock  | Sat,<br>9 Nov by<br>23:30<br>(11:30 pm)  | Sun,<br>10 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sun,<br>24 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | 5<br>Nov  | <ul><li>Partial Fractions</li><li>Sequences and</li></ul> |  |  |  |  |  |
| 11   | Wed | 6<br>Nov  | <ul><li>Series</li><li>Geometric</li></ul>                |  |  |  |  |  |
|      | Thu | 7<br>Nov  | Sequences and<br>Series                                   |  |  |  |  |  |
|      | Fri | 8<br>Nov  |   |  |  |  |  |  |
|      | Mon | 11<br>Nov |   | Thu,<br>14 Nov by<br>23:30<br>(11:30 pm) | Sat,<br>16 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sat,<br>16 Nov by<br>23:30<br>(11:30 pm) | Sun,<br>17 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sun,<br>24 Nov by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock |
|      | Tue | 12<br>Nov | <ul><li>Parabolas</li><li>Ellipses</li></ul>              |  |  |  |  |  |
| 12   | Wed | 13<br>Nov | <ul><li>Circles</li><li>Hyperbolas</li></ul>              |  |  |  |  |  |
|      | Thu | 14<br>Nov | <ul> <li>Review for Unit 6<br/>Exam</li> </ul>            |  |  |  |  |  |
|      | Fri | 15<br>Nov |   |  |  |  |  |  |



| Week | Day | Date            | Торіс  | Learning<br>Reflection<br>Due            | Memory<br>Quiz Due  | Lecture<br>Notes<br>Due                    | Mastery<br>Assessment<br>Due                                | Exam<br>Due   |  |  |  |  |
|------|-----|-----------------|--|--|---|--|---|---|--|--|--|--|
| 13   | Mon | 18<br>Nov       |  | Thu,<br>21 Nov by<br>23:30<br>(11:30 pm) | Sat,<br>23 Nov by<br>23:30<br>(11:30 pm)                    | Sat,<br>23 Nov by<br>23:30<br>(11:30       | Sun,<br>24 Nov by<br>23:30<br>(11:30 pm)                    | Tue,<br>11 Dec by<br>23:30<br>(11:30 pm)                            |  |  |  |  |
|      | Tue | 19<br>Nov       | Using a     Calculator   |  |   |  |   |   |  |  |  |  |
|      | Wed | 20<br>Nov       | Solving Right     Triangles                                    |  |   |  |   |   |  |  |  |  |
|      | Thu | 21<br>Nov<br>22 | Law of Sines   |  | Use<br>Honorlock  | pm)  | Use<br>Honorlock  | Use<br>Honorlock  |  |  |  |  |
|      | Fri | 22<br>Nov<br>25 |  |  | Sat,  |  | Sun,  |   |  |  |  |  |
|      | Mon | Nov             | <ul><li>Law of Cosines</li><li>Triangle</li></ul>              | Sat,<br>30 Nov by                        | 30 Nov by<br>23:30  | Sat,<br>30 Nov by                          | 1 Dec by<br>23:30   |   |  |  |  |  |
| 4.4  | Tue | 26<br>Nov       | <ul><li>Applications</li><li>Radian<br/>Applications</li></ul> | 23:30<br>(11:30 pm)                      | (11:30 pm)<br>Use<br>Honorlock                              | 23:30<br>(11:30<br>pm)                     | (11:30 pm)<br>Use<br>Honorlock                              | Wed,<br>11 Dec by<br>23:30  |  |  |  |  |
| 14   | Wed | 27<br>Nov       |  | No School – Thanksgiving Break           |   |  |   |   |  |  |  |  |
|      | Thu | 28<br>Nov       |  |  |   |  |   |   |  |  |  |  |
|      | Fri | 29<br>Nov       |  |  |   |  |   |   |  |  |  |  |
|      | Mon | 2<br>Dec        |  | Last Day to Drop a Class                 |   |  |   |   |  |  |  |  |
|      | Tue | 3<br>Dec        | <ul><li>Vectors</li><li>Vector<br/>Applications</li></ul>      | Thu,<br>5 Dec by<br>23:30<br>(11:30 pm)  | Sat,<br>7 Dec by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Sat,<br>7 Dec by<br>23:30<br>(11:30<br>pm) | Sun,<br>8 Dec by<br>23:30<br>(11:30 pm)<br>Use<br>Honorlock | Wed,<br>11 Dec by<br>23:30<br>(11:30 pm)<br><b>Use</b><br>Honorlock |  |  |  |  |
| 15   | Wed | 4<br>Dec        |  |  |   |  |   |   |  |  |  |  |
|      | Thu | 5<br>Dec<br>6   |  |  |   |  |   |   |  |  |  |  |
|      | Fri | Dec             |  |  | HOHOHOCK  |  | HOHOHOCK  | ) M/a d   |  |  |  |  |
|      | Mon | 9<br>Dec        | Review for Final<br>Exam                                       | Wed,<br>11 Dec by                        | Not due   | Not due                                    | Not due this  | Wed,<br>11 Dec by<br>23:30  |  |  |  |  |
|      | Tue | 10<br>Dec       | Final Group Project<br>Due<br>by 23:30 (11:30 pm)              | 23:30<br>(11:30 pm)                      | this week   | this week                                  | week  | (11:30 pm)<br>Use<br>Honorlock                                      |  |  |  |  |
| 16   | Wed | 11<br>Dec       | Final Exam Due<br>by 23:30 (11:30 pm)<br>Use Honorlock         |  |   |  |   |   |  |  |  |  |
|      | Thu | 12<br>Dec       | Semester Over  |  |   |  |   |   |  |  |  |  |
|      | Fri | 13<br>Dec       | Graduation   |  |   |  |   |   |  |  |  |  |