

**South Plains College**  
**Common Course Syllabus: MATH 2412**  
**Revised August 2021**

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

**Discipline:** Mathematics

**Course Number:** MATH 2412

**Course Title:** Pre-Calculus

**Available Formats:** conventional and internet

**Campuses:** Levelland 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:** *Pre-Calculus*, Abramson, OpenStax

**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 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.

**COVID Syllabus Statement:** It is the policy of South Plains College that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. There will be no requirement for face coverings at any location on any South Plains College campus or classroom. Faculty, staff, or students may continue to wear a mask voluntarily, but there will be no requirements for face coverings in any circumstance.

**COVID Syllabus Statement (cont.):** If you are experiencing any of the following symptoms please do not attend class and either seek medical attention or get tested for COVID-19.

- Cough, shortness of breath, difficulty breathing
- Fever or chills
- Muscles or body aches
- Vomiting or diarrhea
- New loss of taste and smell

Please also notify DeEtte Edens, BSN, RN, Associate Director of Health & Wellness, at [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu) or 806-716-2376.

**Student Code of Conduct Policy:** Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. 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.

**Diversity Statement:** In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

**Disability Statement:** Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

**Nondiscrimination Policy:** South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

**Title IX Pregnancy Accommodations Statement:** If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To [activate](#) accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or [email rcanon@southplainscollege.edu](mailto:rcanon@southplainscollege.edu) for assistance.

**Campus Concealed Carry:** Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php> Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

**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.

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## Mathematics 2412 – Precalculus

**Section:** 002, Tuesday and Thursday 08:30

**Room:** Agriculture Building 103 (Levelland)

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### 1. General Information

1.1. INSTRUCTOR: Sheyleah V. Harris-Plant, Ph.D.

1.2. OFFICE: Levelland Math Building 120A

1.3. EMAIL: [sharris@southplainscollege.edu](mailto:sharris@southplainscollege.edu)

1.4. OFFICE PHONE: (806) 716-2665

1.5. OFFICE HOURS:

1.5.1. Virtual **Zoom Link (Found in Blackboard)**

1.5.1.1. Monday 19:00 (7:00 pm) – 20:00 (8:00 pm)

1.5.1.2. Tuesday 19:00 (7:00 pm) – 20:00 (8:00 pm)

1.5.1.3. Wednesday 19:00 (7:00 pm) – 20:00 (8:00 pm)

1.5.1.4. Thursday 19:00 (7:00 pm) – 20:00 (8:00 pm)

1.5.1.5. Set an appointment of your convenience at

<https://outlook.office365.com/owa/calendar/DrHP@southplainscollege.edu/bookings/>

1.5.2. Levelland **M120A**

1.5.2.1. Tuesday 13:00 (1:00 pm) – 15:00 (3:00 pm)

1.5.2.2. Thursday 13:00 (1:00 pm) – 15:00 (3:00 pm)

1.6. COURSE MATERIALS:

1.6.1. **Required:** Course Lecture Notes titled *Precalculus* by Sheyleah Harris-Plant on Blackboard

1.6.2. **Reference (Optional):** Larson, R. (2010). *Precalculus*, 8th ed, Brooks/Cole. ISBN 9781439045770

1.6.3. **Reference (Optional):** OpenStax., (2014). *Precalculus*, OpenStax CNX. ISBN 9781938168345

1.6.4. **Reference (Optional):** Rockswold, G., (2010). *Precalculus with Modeling & Visualization*, 4th ed, Pearson. ISBN 9780321568007

1.6.5. **Reference (Optional):** Stewart, J., (2011). *Precalculus: Mathematics for Calculus*, 6th ed, Brooks/Cole. ISBN 9780840068071

1.6.6. **Reference (Optional):** Young, C. Y. (2014). *Precalculus*, 2nd ed, New Jersey: John Wiley & Sons, Inc. ISBN 9780470904138

1.7. SUPPLIES:

1.7.1. Pencil

1.7.2. Erasers

1.7.3. 8.5-inch x 11-inch paper

1.7.4. Graph paper

1.7.5. Web Camera

1.7.6. Good internet connection

1.7.7. SCIENTIFIC CALCULATORS ALLOWED, NO GRAPHING CALCULATORS

### 2. Attendance

2.1. ABSENT

2.1.1. Not attending class **for any reason**

2.1.2. Arriving fifteen (15) or more minutes after class has started

2.1.3. Not submitting weekly work

2.2. TARDY

2.2.1. Counts as 0.5 absences

2.2.2. Arriving between the start of class and fifteen (15) minutes after class started

2.2.3. Leaving class before the class is dismissed

2.3. CANCELLATION

2.3.1. Issued by South Plains College or instructor

2.3.2. The student will be responsible for the lecture material presented on Blackboard

2.4. VERIFIED EXTENUATING CIRCUMSTANCES

2.4.1. Student must have the web camera and use microphone on during class on Blackboard Collaborate

2.4.2. In-class activity will be available and expected to be turned in

### 3. Email Policy

3.1. The SPC e-mail account is the official channel of communication for South Plains College

3.2. Check your school email daily

3.3. Use professional email etiquette

### 4. Work and Assessment Directions

#### 4.1. WORK EXPECTATIONS

4.1.1. Work must be on notebook paper

4.1.2. Work must be legible, and work must justify the answer

4.1.3. Work shown determines the amount of partial credit

4.1.4. Scanned work must be

4.1.4.1. In **one pdf** file

4.1.4.1.1. Pages need to be vertical (up and down)

4.1.4.1.2. One page per page in the pdf

4.1.4.2. Uploaded to Blackboard before submitting the assignment

4.1.4.3. If you do not have a scanner, there are mobile apps named "Scannable" (ios only), "Cam Scanner", "Genius Scan", and "One Drive" that you can try or your cell phone's Notes app and a cloud service (One Drive, etc)

#### 4.2. ASSESSMENT (PROCTORIO) DIRECTIONS

4.2.1. Use Chrome.

4.2.1.1. You will need to download the plug in for Proctorio go to: [get.proctorio](http://get.proctorio)

4.2.2. Take your exam in a place where you will not be distracted

4.2.3. **Show your entire workspace**

4.2.3.1. This means slide your computer back so the camera picks up your writing space

4.2.4. Turn on your audio and video

4.2.5. Show your cell phone in your workspace

4.2.6. Show your calculator in your workspace

4.2.7. Write the problems on your notebook paper and show all work

4.2.8. Do **NOT** save or print the assessment

4.2.9. Keep Proctorio open and running while taking the assessment

4.2.10. After you complete the assessment, you will need to put down your writing utensil and pick up your phone to scan your work

4.2.11. You have 15 minutes to upload your work to Blackboard

4.2.12. If there is anything questionable, that happens in your assessment or if you do not follow instructions, you may receive a 0 for the assessment

### 5. Grades

5.1. The class uses the point system

5.2. All grades are rounded from the tenths place

5.3. Upon the submission of grades at the end of the semester, **ALL GRADES ARE FINAL**

#### 5.4. GRADING SCALE

5.4.1. A = 89.5 or above

5.4.2. B = 79.5 – 89.4

5.4.3. C = 69.5 – 79.4

5.4.4. D = 59.5 – 69.4

5.4.5. F = 59.4 or below

#### 5.5. ASSIGNMENT WEIGHTS

##### 5.5.1. VIDEO LECTURE EXAMPLES

5.5.1.1. Ten (10) at (@) 0.6 point each = 6 points

5.5.1.2. Four (4) @ 0.6 point each = 2.4 points **extra credit**

5.5.1.3. Instructor will grade by completion

5.5.1.4. Work out each example presented in the lecture video and the lecture notes

5.5.1.5. Upload due weekly on Blackboard

5.5.1.6. No Late Work Accepted

##### 5.5.2. PRACTICE PROBLEMS

5.5.2.1. Ten (10) @ 0.4 point each = 4 points

5.5.2.2. Four (4) @ 0.4 point each = 1.6 points **extra credit**

- 5.5.2.3. Instructor will grade by completion
- 5.5.2.4. Work out all the practice problems presented at the end of the lecture notes
- 5.5.2.5. Upload due weekly on Blackboard
- 5.5.2.6. No Late Work Accepted
- 5.5.3. IN-CLASS ACTIVITIES
  - 5.5.3.1. Twenty (20) @ 0.25 point each = 5 points
  - 5.5.3.2. Seven (7) @ 0.25 point each = 1.75 points **extra credit**
  - 5.5.3.3. Instructor will grade by completion
  - 5.5.3.4. Upload due daily on Blackboard before the end of class
  - 5.5.3.5. No Late Work Accepted
- 5.5.4. MEMORY QUIZZES
  - 5.5.4.1. Ten (10) @ 1 point each = 10 points
  - 5.5.4.2. Four (4) @ 1 point each = 4 points **extra credit**
  - 5.5.4.3. Due weekly on Blackboard
  - 5.5.4.4. Uses Proctorio (web camera and Chrome required)
  - 5.5.4.5. 20 minutes to complete
  - 5.5.4.6. Instructor will grade the questions as correct or incorrect, no partial credit
  - 5.5.4.7. Must upload work within the assignment
  - 5.5.4.8. No Late Work Accepted
- 5.5.5. MASTERY ASSESSMENTS
  - 5.5.5.1. Ten (10) @ 1 point each = 10 points
  - 5.5.5.2. Five (5) @ 1 point each = 5 points **extra credit**
  - 5.5.5.3. Due weekly on Blackboard
  - 5.5.5.4. Uses Proctorio (web camera and Chrome required)
  - 5.5.5.5. Questions similar to to practice problems
  - 5.5.5.6. 1 hour (60 minutes) to complete
  - 5.5.5.7. Instructor will grade the answer and the work
    - 5.5.5.7.1. Correct answer, but no work is worth 10% of the points
    - 5.5.5.7.2. Correct work is worth 90% of the points
    - 5.5.5.7.3. Partial Credit is given according to the place of the mistake in the answer
  - 5.5.5.8. Must upload work within 15 minutes of completion of assignment
  - 5.5.5.9. No Late Work Accepted
- 5.5.6. ASSIGNMENT WRAPPERS
  - 5.5.6.1. Twenty (20) at (@) 0.25 point each = 5 points
  - 5.5.6.2. Three (3) @ 0.25 point each = 0.75 points **extra credit**
  - 5.5.6.3. Instructor will grade by completion
  - 5.5.6.4. Answers to questions due on Blackboard to review mistakes and learn from them
  - 5.5.6.5. No Late Work Accepted
- 5.5.7. UNIT EXAMS
  - 5.5.7.1. Eight (8) @ 5 points each = 40 points
  - 5.5.7.2. Uses Proctorio (web camera and Chrome required)
  - 5.5.7.3. 3 hours (180 minutes) to complete
  - 5.5.7.4. Instructor will grade the answer and the work
    - 5.5.7.4.1. Correct answer, but no work is worth 10% of the points
    - 5.5.7.4.2. Correct work is worth 90% of the points
    - 5.5.7.4.3. Partial Credit is given according to the place of the mistake in the answer
  - 5.5.7.5. Must upload work within 15 minutes of completion of assignment
  - 5.5.7.6. No Late Work Accepted
- 5.5.8. FINAL EXAM
  - 5.5.8.1. Comprehensive (Covers everything covered during the semester)
  - 5.5.8.2. Failure to attempt the final exam will result in a failing grade for the course
  - 5.5.8.3. Written Portion @ 10 points = 10 points
    - 5.5.8.3.1. Uses Proctorio (web camera and Chrome required)
    - 5.5.8.3.2. 3 hours (180 minutes) to complete
    - 5.5.8.3.3. Instructor will grade the answer and the work
      - 5.5.8.3.3.1. Correct answer, but no work is worth 10% of the points
      - 5.5.8.3.3.2. Correct work is worth 90% of the points

5.5.8.3.3.3. Partial Credit is given according to the place of the mistake in the answer

5.5.8.3.4. Must upload work within 15 minutes of completion of assignment

5.5.8.3.5. No Late Work Accepted

5.5.8.4. Oral Portion @ 10 points = 10 points

5.5.8.4.1. Uses Feedback Fruits

5.5.8.5. No Late Work Accepted

5.6. **All supplemental material and your current grade are available all semester on South Plains College's Blackboard server.**

5.7. The instructor will usually return feedback by the next class day; however, they reserve the right to have one (1) week to grade assignments and post grades from the due date.

## 6. Removal from Course

### 6.1. WITHDRAWAL

6.1.1. You must start the process

6.1.2. Fill out the *Student Initiated Drop Form* found on

<https://www.southplainscollege.edu/admission-aid/apply/schedulechanges.php>

6.1.3. SPC may not permit an undergraduate student to drop a total of more than six courses (including any course a transfer student has dropped at another institution of higher education)

### 6.2. ATTENDANCE

6.2.1. Miss twenty percent (20%) of class assignments or class meetings for the semester

6.2.2. The instructor has the right to drop the student with a grade of F or an X

### 6.3. REINSTATEMENT

6.3.1. There is NO reinstatement once a student is dropped

## 7. Resources

### 7.1. INSTRUCTOR

### 7.2. FREE TUTORING

7.2.1. Levelland Campus in Mathematics-Engineering Building room 116

7.2.2. Reese Center in Building 2 room 212

7.2.3. Lubbock Center in the Computer Lab

7.2.4. Live Virtual Tutoring

7.2.5. Make appointment at

<https://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

7.2.6. Sign in when you seek the help of a tutor

### 7.3. LIBRARY

7.3.1. Reserve Textbooks

7.3.1.1. Levelland Library

7.3.1.2. Reese Center

7.3.2. Technology Checkout

7.3.2.1. Chromebooks

7.3.2.2. Hot Spots

## Supplementary Course Information

Blackboard is the online course management system that will be used for this course. This course syllabus, as well as any class handouts, can be accessed through Blackboard. Login at <https://southplainscollege.blackboard.com/>. The user name and password should be the same as the MySPC and SPC email.

**User name:** first initial, last name, and last 4 digits of the Student ID

**Password:** Original CampusConnect Pin No. (found on SPC acceptance letter)

**“Intelligence plus character – that is the goal of true education.”** – Dr. Martin Luther King, Jr.

**“Hard work is required, but must also produce value.”** – Norman Chaffee

**“True knowledge exists in knowing that you know nothing.”** – Socrates

**“There is no end to education. It is not that you read a book, pass an examination, and finish with education. The whole of life, from the moment you are born to the moment you die, is a process of learning.”** – Jiddu Krishnamurti



**“In the United States, we experience many freedoms. Two of these freedoms include the freedom to succeed and the freedom to fail. Which one will you choose?” – Alan Worley**

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http://www.norwich.net/~randyg/toon.html



**“I forgot to make a back-up copy of my brain,  
so everything I learned last semester was lost.”**



### Expectations of the Instructor

The student is within all rights to expect that the instructor does the following:

- Show up, as scheduled, to teach all the information pertaining to the course.
- Be prepared for class and know the material.
- Provide notice of any schedule changes.
- Maximize the time allotted for this course by assessing student aptitude for covered information at the close of each lecture, when time permits.
- Present the material in a manner that can generally be understood by the majority of the class.
- Be accessible to those who need assistance outside of the classroom setting, by way of e-mail or in person, during office hours or reasonably scheduled appointment times.
- Hold to any assignment(s) given during the course of the semester unless removed.
- Uphold the policies of the college as it pertains to the student's welfare in the course.
- Not make any exceptions regarding the dismissal of any student from the course for reasons listed herein.
- Allow each student the opportunity to discuss the material presented during the lecture period.
- Provide examinations based on the information discussed in class that contains problems that use solving methods *similar* to those assigned from sections pertaining to the exam.

### Expectations of the Student

The instructor is within all rights to expect that the student does the following:

- **READ THE SYLLABUS!!!** You will remain subject to the criteria outlined herein whether you read this or not, so it is in your best interest to do so!
- Show up on time, as scheduled, to receive and learn all information pertinent to the course and be mindful of any schedule changes.
- Bring all materials needed for the course and refrain from bringing anything that is not needed – Be prepared.
- Stay up with the course activities – don't get behind.
- Work homework early enough to get help, if needed – use good time management skills.
- Ask questions to get a clearer understanding.
- Keep all notes and assignments organized. This will prove to be helpful in preparing for the exams.
- If you are going to withdraw from this course, then ***all withdrawals must be done by Thursday, 21 April 2022.*** There will be no withdrawals given after this date.
- Take advantage of ***all*** the resources available to you. In the collegiate setting, all students are considered adults and are expected to uphold conduct worthy of such consideration.
- Be mindful of the classroom setting and the roles therein. While student tuition is vital to the well-being of this academic institution, this does NOT warrant the concession of an instructor to you in a manner that compromises the integrity of the classroom setting and that of the institution itself.
- Be willing to work together with – **BUT NOT DO WORK FOR** – fellow classmates.
- ***Write all graded work legibly. All work not legible will not be accepted by the instructor and will cause you to receive a grade of zero percent (0%) for the work in question.***
- Turn all electronic devices ***off*** that have no use in the classroom setting. This means all music players, cellular telephones (or cell phones), pagers, etc. In the event that a cell phone must be on (family emergencies only), then the phone must be on vibrate mode and placed on your desk or table. If an unsanctioned device is in use during an exam, then its grade will be zero percent (0%) and possible removal from the course.

## Tips for Learning in a Flipped Classroom

This is a flipped classroom and how you receive instruction in this class will look different from the way you have received instruction from classes in the past. Your “homework” will typically involve you interacting with short videos before class. That will then free up class time for me to help you more, and give us more class time for discussions, collaborative assignments, and hands-on experiences. Since this class is different, I have listed out some suggestions which will ensure that you are completely successful.

### When and How You Watch a Lecture Video

- Sitting in a quiet, distraction-free setting
- Silence the phone
- Close all other tabs and windows on your device
- Not connected to social media while watching the lecture video
- Have your class notebook and a writing device to take notes
- Use a set of headphones to watch the videos

### Note-taking Tips

- Take careful notes from the video
- Draw appropriate diagrams and charts in your notes
- Frequently pause the video to take notes
- “Rewind” the video when you don’t understand things
- When the instructor tells you to solve a problem or write something down, do it
- Write down questions in your notes from the lecture video when you don’t understand something
- Bring your questions to class and ask the instructor for help and clarification

### How to Best Participate In Class

- Ask the instructor the questions you wrote down in your notes
- Fully participate in class activities
- Work with your classmates
- Offer to help your classmates with things you understand
- Ask for help from your classmates when they understand more than you

Date	Topic	Practice Problems
<b>Week 1:</b> 18 Jan – 22 Jan	Introduction	Syllabus Receipt & EdReady Diagnostic Exam
	<b>Unit 1 - Functions</b>	
	Angles	#1-34 all
<b>Week 2:</b> 23 Jan – 29 Jan <i>Memory Quiz 1: Radian and Degree Measure</i>	Non-Acute Angles	#1-25 all
	Functions and Function Notation	#1-39 all
	Linear Functions	#1-29 all
	Quadratic Functions	#1-20 all
30 January	<b>Unit 1A Exam Due (5 points) 10:00 (10:00 A.M.)</b>	
<b>Week 3:</b> 30 Jan – 5 Feb <i>Memory Quiz 2: Radian and Degree Measure</i>	Polynomial Functions	#1-12 all
	Radical Functions	#1-6 all
	Rational Functions	#1-4 all
	Definition of Trigonometric Functions	#1-20 all
<b>Week 4:</b> 6 Feb – 12 Feb <i>Memory Quiz 3: Trigonometric Definitions</i>	Non-Standard Position Angles	#1-15 all
	Graphs of the Trigonometric Functions	#1-8 all
	Exponential Functions	#1-13 all
13 February	<b>Unit 1B Exam Due (5 points) 10:00 (10:00 A.M.)</b>	
<b>Week 5:</b> 13 Feb – 19 Feb <i>Memory Quiz 4: Trigonometric Definitions</i>	<b>Unit 2 – Mathematical Manipulation</b>	
	Logarithmic Functions	#1-25 all
	Properties of Logarithmic Functions	#1-20 all
	Fundamental Identities	#1-45 all
<b>Week 6:</b> 20 Feb – 26 Feb <i>Memory Quiz 5: Degree Values of Special Angles</i>	Sum and Difference Identities	#1-12 all
	Double-Angle Identities	#1-8 all
	Half-Angle and Power Reducing Identities	#1-13 all
	Sum-to-Product and Product-to-Sum Identities	#1-7 all
<b>Week 7:</b> 27 Feb – 5 Mar <i>Memory Quiz 6: Degree Values of Special Angles</i>	Combining Functions	#1-20 all
	Inverse Functions	#1-40 all
	Rates of Change	#1-17 all
<b>Week 8:</b> 6 Mar – 12 Mar <i>Memory Quiz 7: Radian Values of Special Angles</i>	Transformations	#1-30 all
	Binomial Expansion	#1-20 all
13 March	<b>Unit 2A Exam Due (5 points) 10:00 (10:00 A.M.)</b>	
<b>Week 9:</b> 20 Mar – 26 Mar <i>Memory Quiz 8: Radian Values of Special Angles</i>	Symbolic Algebraic Manipulation	#1-25 all
	Verifying Trigonometric Identities	#1-16 all
<b>Spring Break:</b> 13 Mar – 19 Mar	<b>No Work Due</b>	
<b>Week 10:</b> 27 Mar – 2 Apr <i>Memory Quiz 9: Degree and Radian Values of Special Angles</i>	<b>Unit 3 – Equations, Inequalities, and Partial Fractions</b>	
	Other Types of Equations	#1-40 all
	Exponential and Logarithmic Equations	#1-20 all
<b>Week 11:</b> 3 Apr – 9 Apr <i>Memory Quiz 10: Basic Identities</i>	Roots of Polynomial Functions	#1-12 all
	Systems of Equations	#1-25 all
	Inequalities in One Variable	#1-30 all
3 April	<b>Unit 3 Exam Due (5 points) 10:00 (10:00 A.M.)</b>	
<b>Week 12:</b> 10 Apr – 16 Apr <i>Memory Quiz 11: Basic Identities</i>	<b>Unit 4 – Analytical Geometry</b>	
	Partial Fractions	#1-12 all
	Sequences and Series	#1-18 all
	Geometric Sequences and Series	#1-19 all

Date	Topic	Assignments
<b>Week 12:</b> 10 Apr – 16 Apr <b>Memory Quiz 11: Basic Identities</b>	Parabolas	#1-20 <b>all</b>
	Ellipses	#1-19 <b>all</b>
	Circles	#1-15 <b>all</b>
	Hyperbolas	#1-12 <b>all</b>
<b>17 April</b>	<b>Unit 4A Exam Due (5 points) 10:00 (10:00 A.M.)</b>	
<b>Week 13:</b> 17 Apr – 23 Apr <b>Memory Quiz 12: Basic Identities</b>	Plane Curves and Parametric Equations	#1-16 <b>all</b>
	Vectors and Dot Product	#1-30 <b>all</b>
	Polar Plane	#1-21 <b>all</b>
<b>24 April</b>	<b>Unit 4B Exam Due (5 points) 10:00 (10:00 A.M.)</b>	
<b>Unit 5 - Applications</b>		
<b>Week 14:</b> 24 Apr – 30 Apr <b>Memory Quiz 13: Multiple Angle Identities</b>	Using a Calculator	#1-12 <b>all</b>
	Solving Right Triangles	#1-9 <b>all</b>
	Law of Sines	#1-9 <b>all</b>
	Law of Cosines	#1-10 <b>all</b>
<b>1 May</b>	<b>Unit 5 Exam Due (5 points) 10:00 (10:00 A.M.)</b>	
<b>Week 15:</b> 1 May – 7 May <b>Memory Quiz 14: Multiple Angle Identities</b>	Triangle Applications	#1-23 <b>all</b>
	Radian Applications	#1-10 <b>all</b>
	Vector Applications	#1-14 <b>all</b>
	Complex Plane and Forms of Complex Numbers	#1-24 <b>all</b>
<b>10 May</b>	<b>Final Exams (Written and Oral) Due (20 points) 10:00 (10:00 A.M.)</b>	