

**South Plains College**  
**Common Course Syllabus: MATH 0314 and 1414**  
**Revised August 2021**

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

**Discipline:** Mathematics

**Course Number:** MATH 0314 and 1414

**Course Title:** College Algebra for STEM

**Available Formats:** conventional

**Campuses:** Levelland

**MATH 0314 Part of the Course**

**Course Description:** Math0314 is to be taken concurrently with MATH 1414. Background topics which are necessary for a student to successfully complete MATH 1314 will be covered, with an emphasis on fractions, factoring polynomials, functions, exponents, and operating with radical and rational expressions.

**Prerequisite:** Minimum score of 340 on the TSIA1, minimum diagnostic score of 3 on the TSIA2, a successful completion with a grade of 'C' or better in MATH 0315, or a successful completion of NCBM-0105.

**Credit:** 3 **Lecture:** 3 **Lab:** 1

**MATH 1414 Part of the Course**

**Course Description:** Intended for STEM (Science, Technology, Engineering, and Mathematics) majors. Content includes the in-depth study and applications of rational, real, and complex number systems; functions including polynomial, rational, exponential and logarithmic functions and related equations; inequalities, sequences and series, systems of linear equations using matrices; partial fractions; conic sections and probability.

**Credit:** 4 **Lecture:** 4 **Lab:** 0

**Textbook:** No textbook is required for this course.

**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, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.

3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

**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 cannot 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:** If you are experiencing any of the following symptoms, please do not attend class and either seek medical attention or test 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. Proof of a positive test is required. A home test is sufficient but students must submit a photo of the positive result. The date of test must be written on the test result and an ID included in the photo. If tested elsewhere (clinic, pharmacy, etc.), please submit a copy of the doctor's note or email notification. Results may be emailed to DeEtte Edens, BSN, RN at [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu).

A student is clear to return to class without further assessment from DeEtte Edens, BSN, RN if they have completed the 5-day isolation period, symptoms have improved, and they are without fever for 24 hours without the use of fever-reducing medication.

Students must communicate with DeEtte Edens, BSN, RN prior to their return date if still symptomatic at the end of the 5-day isolation.

**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 difference 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.

**Disabilities 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, Lubbock Centers (located at the Lubbock Downtown Center) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

**Non-Discrimination Statement:** 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 Health and Wellness Center. 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 Health and Wellness Center at 806-716-2529 or email [dburleson@southplainscollege.edu](mailto:dburleson@southplainscollege.edu) for assistance.

**Campus Concealed Carry Statement:** 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.*

**Course-Specific Corequisite College Algebra for STEM**  
**MATH0314/1414.C001 – Fall 2022 – Hybrid Course**  
**Monday and Wednesday Online, Tuesday and Thursday from 8:30 a.m. to 10:30 a.m. in M123**

**Instructor:** Leah Chenault

**Office:** M106

**Telephone:** (806)716-2740

**Email:** [lchenault@southplainscollege.edu](mailto:lchenault@southplainscollege.edu) (preferred method of contact)

**Office Hours:** As listed below or by appointment. I will be in my office on the Levelland campus during face to face (F2F) times listed below if you wish to meet in person. I will be online (via Zoom) during the office hours listed as virtual. You are welcome to pop in and out of my virtual office hours during that virtual time without scheduling a meeting. I will post the virtual office hour information/invite on Blackboard if you wish to join. If you do join virtually and I am helping someone else, please be patient and wait your turn. *If you need to schedule a time to meet outside of the office hours below, please email me to set up a time.*

Monday	Tuesday	Wednesday	Thursday	Friday
F2F: 10:00 a.m. - 10:45 am F2F: 12:45 p.m. – 2:00 p.m.	F2F: 2:30 p.m. – 3:00 p.m.	F2F: 10:00 a.m. - 10:45 am F2F: 12:45 p.m. – 2:00 p.m.	F2F: 2:30 p.m. – 3:00 p.m.	F2F and Virtual: 8:30 am –11:30 am

**Email Correspondence:** When not in class, our primary forms of communication will be Blackboard announcements as well as email. If you have a private question that you want to ask outside of class, email is the preferred method of contact. You are expected to use your SPC email address to do so. Due to privacy concerns, I will not reply to an email from you from a different email address. Please give me up to 24 hours to respond to questions sent via email. Starting on Friday at noon and throughout the weekend, please give my up to 36 hours to respond to an email. If you email about a specific homework question, please include a picture of the question and the work that you have tried in the email. If you need/want to set up a meeting because you don't feel your question can be answered adequately via email, either come by during office hours or email me to set up a meeting time (meeting can be either virtual or face-to-face).

**Hybrid Course Information:** This course is designed to be a hybrid course. This means that we will meet face-to-face two days a week (Tuesday and Thursday from 8:30 a.m. to 10:30 a.m.) and the other two days (Monday and Wednesday) are set up to be online. For the online days, you are not required to be on Blackboard at specific times, which gives you some flexibility in your schedule. However, you must manage your time and make sure that you complete all notes and assignments by the due date and time. As of right now, the course is set up so that we only turn in assignments on our face-to-face days. Therefore, you do not have to worry about submitting those assignments over Blackboard.

**Disclaimer:** The instructor reserves the right to alter any class policies/dates as deemed necessary by the instructor. If there are any changes, they will be announced **in class and via an announcement in Blackboard.**

**Showing Work:** To receive full credit on an assignment, you must show all work that leads to your answer(s). The work must be legible, make sense and be easy to follow. All work and answers must be handwritten.

**Course Supplies:**

- Required: Scientific Calculator (with log, ln, sin, cos and tan). Suggested TI-30XIIS. They are inexpensive and user friendly. Graphing calculators are not allowed. There may be some assignments where you are not allowed to use any calculator.
- Required: Large 3-ring binder, dividers, notebook paper, graph paper (available to print on blackboard), hole punch, pencils, and erasers.

- Required: Printed Notes. A blank copy of the notes will be posted on Blackboard and you will be expected to print them and have them in class. You are expected to fill them out during class. If you miss class for any reason, you will need to watch the notes video on Blackboard and fill in out the notes handout. Your completed notes will be a requirement in the binder check.
- Required: A device with high-speed internet access.
- Warning: Do not expect your instructor to have supplies for you to borrow.

**Attendance:** 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 you fail to complete and turn in an assignment (*for any reason*) by the specified date and time, then it will count against your 80%. For this class, if the number of assignments (including assignments and tests) you fail to turn in goes over **twelve**, you will be dropped from the class with either an X (if you exceed that number before the drop date) or an F (if you exceed that number after the drop date). If your number of absences goes above **six** for our face-to-face days, you will be dropped from the class with either an X (if you exceed that number before the drop date) or an F (if you exceed that number after the drop date). Class attendance may be taken at any time during the class period, so please do not be late or leave early. Leaving early and/or being tardy will be considered ½ absence.

### **Section Assignments (Including HW and Quizzes):**

- Homework will be assigned for each section. Work the problems early enough to seek help if needed.
- Homework is due at the beginning of the next face-to-face class. Late homework will not be accepted. If you are going to be absent, I will accept your homework via email as long as that email is time-stamped before our scheduled class time and you give me a valid reason for your absence. If the email does not have those two things, you will receive a zero on the assignment.
- Late homework is not accepted under any circumstances. If a homework is turned in late, it will be a zero.
- Quizzes will be at the beginning of our face-to-face class on some days. The quiz will have questions similar to the questions on the HW that is due that same day. You are not allowed to have any resources out on your desk during quizzes. You will be allowed to have out a writing utensil and potentially your non-graphing calculator.
- Make-up quizzes will NOT be given. If you miss a quiz, the quiz portion of your grade for the day will be a zero.
- On days that we have a quiz, your grade for each section will be calculated as follows:
  1. HW Completion (50% of assignment grade)
  2. Quiz (50% of the assignment grade)
- On days that we do not have a quiz, your grade for each section will be calculated as follows:
  1. HW Completion (50% of assignment grade)
  2. I will spot check 3-5 HW questions (50% of HW grade)
- On all assignments, you are expected to write your full name at the top, give the assignment a title and clearly number the questions.
- To receive full credit on problems, you must show work that is legible and it must make sense.
- Keys to the homework are posted on Blackboard so that you can check your answers. Please remember that when I grade, not only will I grade the answer, I am grading your work that leads to that answer.
- At the end of the semester, the lowest 4 daily grades (homework/binder) will be dropped.

### **Binder:**

- All students will keep a binder which will be used as a reference and study guide. If done correctly, this binder can serve as a course book and is a great resource to have.
- The binder will be graded randomly by the instructor during the semester. Each time it is graded, you will receive an assignment grade for it.

**Binder organization:**

- Section 1: Syllabus
- Section 2: Unit 1: By section Notes and Assignment. At the end of the unit you will have a review and an Exam.
- Section 3: Unit 2
- Section 4: Unit 3
- Section 5: Unit 4
- Section 6: Unit 5
- Section 7: Unit 6
- Section 8: Unit 7
- Section 9: Unit 8
- Section 10: Post Unit 8 material and Comprehensive Review. These pages will be kept in chronological order.

*Note: Being absent from a face-to-face day does not excuse you from notes or homework. Notes printouts, notes videos, and assignments are available on Blackboard and should be printed and completed even if you are not in class.*

**Exams:**

- 8 Unit Exams and a Comprehensive Final Exam
- Leaving the class during an exam is not permitted.
- The Final Exam is comprehensive.
- There are no exemptions for the final.
- If you are going to miss an exam, contact your instructor immediately (preferably prior to the exam). Make up exams are very rare and only provided under extreme, documented circumstances.
- If your grade on your final exam is higher than one of the unit tests, I will replace that unit test grade with your final exam grade.
- All electronic devices (phones, headphones, smart watches etc) must be put away during exams. Failure to do so will result in a grade of zero on the exam.

**Grading Formula:**

Class attendance and a strong work ethic do not guarantee a passing grade. However, these two things are extremely important and do increase the likelihood of passing. The final responsibility for learning lies with the student. The final letter grade for this course will be based on the following:

- 8 Unit Tests at 8% each .....64%
- Assignment Average (Including HW, quizzes, binders).....16%
- Final Exam Grade.....20%

**Final Grade Determination for College-Level Part of the Course:**

A 90-100    B 80-89    C 70-79    D 60-69    F 59 or below

**Corequisite Grade Information:** In order to be in this class, you must register for two separate math classes (MATH 0314 and MATH 1414). Your grade in the college level part of the course (MATH 1414) will be determined using the formula above. Your grade in the support course (MATH 0314) will be a pass/fail (P/F). If you make a grade of A, B, C or D in the MATH 1414 portion of the course, you will receive a P for MATH 0314. If you make a grade of F in the MATH 1414 portion of the course, you will also receive a grade of F for MATH 0314. Your current course grade can be found on Blackboard throughout the semester so you should know where you stand.

**Reviewing Grades on Blackboard:** After I grade your assignments and exams, I will post that assignment/exam grade to Blackboard. Therefore, you should be able to log into Blackboard to see a current course average.

### Academic Dishonesty:

Academic dishonesty will not be tolerated. Please see the list of things that constitute plagiarism and cheating in the general 0314/1414 syllabus above. If you violate anything on those lists, you will receive a zero on the assignment/exam and could be subject to other actions outlined in the South Plains College Student Code of Conduct.

### Resources:

- Blackboard! Outside of the classroom, Blackboard is the hub of the class. The course syllabus, calendar, gradebook, “how to” files, notes handouts, notes videos, and assignments will be available on Blackboard. For online days, you are expected to utilize the notes, videos and assignments posted on Blackboard.
- I am available to help you! You may visit with me (either face to face or virtually) during office hours. Also, feel free to email me questions at [lchenault@southplainscollege.edu](mailto:lchenault@southplainscollege.edu). When you email me, please give me up to 24 hours to respond. My response will be faster during the work week than it will be on weekends. When emailing about a specific homework problem, be sure to include a picture of the problem as well as any work you have tried.
- Peer tutoring is available via SPC. Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, and view tutoring locations.  
<http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>
- You also have 180 FREE minutes of tutoring with Tutor.com each week, and your hours reset every Monday morning. Log into Blackboard, click on the tools option from the left-hand menu bar. Click on the Tutor.com link and you will automatically be logged in for free tutoring. You may access tutor.com tutors during the following times:
  - Monday – Thursday: 8pm-8am
  - 6pm Friday – 8am Monday morning
- Free tutorial videos are available at the following sites: <http://www.mathtv.com/> and <http://www.khanacademy.org/>.

**Withdrawal Policy:** As required by Texas Education Code Section 51.907, all new students who enroll in a Texas public institution of higher education for the first time beginning with the 2007 fall semester and thereafter, are limited to six course drops throughout their entire undergraduate career. All course drops, including those initiated by students or faculty and any course a transfer student has dropped at another institution, automatically count toward the limit. After six grades of W are received, students must receive grades of A, B, C, D, or F in all courses. There are other exemptions from the six-drop limit and students should consult with a Counselor/Educational Planner before they drop courses to determine these exemptions. Students receiving financial aid must get in touch with the Financial Aid Office before withdrawing from a course. It is the student’s responsibility to drop. Excessive absences will result in an administrative withdrawal with a Grade of X or F. If you plan to withdraw, please consult with the instructor immediately. **Note: The last day to drop with a grade of W is Thursday, December 1, 2022.**

### Classroom Etiquette:

- Follow the South Plains College COVID-19 guidelines and expectations.
- Students are expected to be respectful of their fellow classmates and maintain a classroom environment that is conducive to learning. Refrain from using offensive language, talking loudly or off-topic, working on outside assignments, or otherwise being disruptive in class.
- NO tobacco use of any form is allowed in the classroom.
- Food and/or drinks are NOT allowed in the classroom.
- Habitually disruptive students will be asked to leave.
- All electronic communication devices are to be silenced and put away during class unless you are specifically told otherwise by your instructor. You will be given one verbal warning, after which you will be asked to leave.
- If I have to ask you to leave class for any reason (refusal to comply with COVID-19 guidelines, class disruption, cell phone usage etc), you will receive a zero for the day’s assignment.



**Succeeding in a Math Class:**

- Attend class every class period that you are assigned to be here.
- Complete on online requirements for the course. These include the notes and assignment completion for the days we are not scheduled to meet face-to-face.
- Check your SPC email and Blackboard at least once per day.
- Be mentally present! Pay attention, take notes and ask questions during class.
- Plan ahead. Do homework early enough before the due date that you will have time to ask questions or seek help if you need it.
- For every hour spent in class (this class is roughly 8 classroom hours per week), you should expect to spend 2+ hours outside of class working on this course. This includes time spent on homework and studying for exams. That means you should expect to spend 24 or more hours on this course each week. Be sure you are prepared to make this time commitment.
- Get to know at least one other person in class and exchange contact information.
- Get help as soon as you feel yourself falling behind! Don't wait!
- I have found that the best way for a student to study for a math exam is to practice working problems over and over.
- Everyone learns and studies differently. I encourage you to seek out and find what works best for you.

**Course-Specific Corequisite College Algebra for STEM  
MATH0314/1414.C001 – Fall 2022 – Hybrid Course**

**Monday and Wednesday Online, Tuesday and Thursday from 8:30 a.m. to 10:30 a.m. in M123**

<b>Week #</b>	<b>Day #</b>	<b>Date</b>	<b>Due at Beginning of Class</b>	<b>Topic for the Day's Class (or on your own for online days)</b>	<b>Working on in Class (or on your own for online days)</b>
1	1	M – Aug 29 <sup>th</sup>		Course Intro; Integers, Decimals, & Fractions	Notes and HW 1.1
	2	T – Aug 30 <sup>th</sup>	Syllabus Receipt; HW 1.1	Exponents; Order of Operations; Sets; Types of Numbers	Notes and HW 1.2
	3	W – Aug 31 <sup>st</sup>		Solving Linear and Absolute Value Equations; Application Problems	Notes and HW 1.3
	4	R – Sept 1 <sup>st</sup>	HW 1.2 and HW 1.3	Solving Linear and Absolute Value Inequalities	Notes and HW 1.4
2	5	M – Sept 5 <sup>th</sup>		<b>Labor Day Holiday – No School</b>	NA
	6	T – Sept 6 <sup>th</sup>	HW 1.4	Exponent Rules; Intro to Polynomials (add, subtract and multiply)	Notes and HW 1.5
	7	W – Sept 7 <sup>th</sup>		Factoring Polynomials (GCF, Trinomials)	Notes and HW 1.6
	8	R – Sept 8 <sup>th</sup>	HW 1.5 and 1.6	Factoring continued (Diff of Squares, Sum/Diff of Cubes, Grouping); Summary of Factoring; Solving By Factoring	Notes and HW 1.7
3	9	M – Sept 12 <sup>th</sup>		Review #1	Review #1
	10	T – Sept 13 <sup>th</sup>	HW 1.7, Notebook #1 and Review #1	<b>Exam #1</b>	<b>Exam #1</b>
	11	W – Sept 14 <sup>th</sup>		Multiply and Divide Rational Expressions	Notes and HW 2.1
	12	R – Sept 15 <sup>th</sup>	HW 2.1	Add and Subtract Rational Expressions	Notes and HW 2.2
4	13	M – Sept 19 <sup>th</sup>		Solving Rational Equations; Application Problems	Notes & HW 2.3
	14	T – Sept 20 <sup>th</sup>	HW 2.2 and 2.3	Simplifying Radicals/Rational Exponents	Notes & HW 2.4
	15	W – Sept 21 <sup>st</sup>		Operations with Radicals; Complex Number System Part I	Notes & HW 2.5
	16	R – Sept 22 <sup>nd</sup>	HW 2.4 and 2.5	Complex Number System Part II; Solving Radical Equations	Notes & HW 2.6

5	17	M – Sept 26 <sup>th</sup>		Review #2	Review #2
	18	T – Sept 27 <sup>th</sup>	HW 2.6, Notebook #2 and Review #2	Exam #2	Exam #2
	19	W – Sept 28 <sup>th</sup>		Intro to Functions (D, R, Set Notation, Function Notation)	Notes & HW 3.1
	20	R – Sept 29 <sup>th</sup>	HW 3.1	Transformations of Functions	Notes & HW 3.2
6	21	M – Oct 3 <sup>rd</sup>		Function Operations; Inverses	Notes & HW 3.3
	22	T – Oct 4 <sup>th</sup>	HW 3.2 and 3.3	Linear Functions	Notes & HW 3.4
	23	W – Oct 5 <sup>th</sup>		Review #3	Review #3
	24	R – Oct 6 <sup>th</sup>	HW 3.4, Notebook #3 and Review #3	Exam #3	Exam #3
7	25	M – Oct 10 <sup>th</sup>		Solving Quadratic Equations	Notes & HW 4.1
	26	T – Oct 11 <sup>th</sup>	HW 4.1	Graphing Quadratic Equations (Including Finding the Vertex by Completing the Squ)	Notes & HW 4.2
	27	W – Oct 12 <sup>th</sup>		Long and Synthetic Division	Notes & HW 4.3
	28	R – Oct 13 <sup>th</sup>	HW 4.2 and 4.3	Roots of Polynomials	Notes & HW 4.4
8	29	M – Oct 17 <sup>th</sup>		Graphing Polynomials	Notes & HW 4.5
	30	T – Oct 18 <sup>th</sup>	HW 4.4 and 4.5	Begin Unit 5 - Rational Functions. Also discuss Review #4.	Notes and HW 5.1. Review #4
	31	W – Oct 19 <sup>th</sup>		Review #4	Review #4
	32	R – Oct 20 <sup>th</sup>	Notebook #4 and Review #4	Exam #4	Exam #4
9	33	M – Oct 24 <sup>th</sup>		Partial Fraction Decomposition	Notes & HW 5.2
	34	T – Oct 25 <sup>th</sup>	HW 5.1 and 5.2	Polynomial and Rational Inequalities	Notes & HW 5.3
	35	W – Oct 26 <sup>th</sup>		Binomial Theorem/Variation of Functions	Notes & HW 5.4
	36	R – Oct 27 <sup>th</sup>	HW 5.3 and 5.4	Begin Unit 6 - Exponential and Log Functions. Also discuss Review #5	Notes & HW 6.1. Review #5
10	37	M – Oct 31 <sup>st</sup>		Review #5	Review #5
	38	T – Nov 1 <sup>st</sup>	Notebook #5 and Review #5	Exam #5	Exam #5
	39	W – Nov 2 <sup>nd</sup>		Properties of Logs; Compound Interest	Notes & HW 6.2

	40	R – Nov 3 <sup>rd</sup>	HW 6.1 and 6.2	Solving Exponential and Log Equations; Applications	Notes & HW 6.3
11	41	M – Nov 7 <sup>th</sup>		Review #6	Review #6
	42	T – Nov 8 <sup>th</sup>	HW 6.3, Notebook #6 and Review #6	Exam #6	Exam #6
	43	W – Nov 9 <sup>th</sup>		Linear Systems (2 by 2 and 3 by 3)	Notes & HW 7.1
	44	R – Nov 10 <sup>th</sup>	HW 7.1	Nonlinear Systems; Linear Inequalities	Notes & HW 7.2
12	45	M – Nov 14 <sup>th</sup>		Matrix Methods (Cramer's and Gauss- Jordan)	Notes & HW 7.3
	46	T – Nov 15 <sup>th</sup>	HW 7.2 and 7.3	Review #7. Begin U8 - Midpoint, Distance and Circles	Review #7. Notes and HW 8.1.
	47	W – Nov 16 <sup>th</sup>		Review #7	Review #7
	48	R – Nov 17 <sup>th</sup>	Notebook #7 and Review #7	Exam #7	Exam #7
13	49	M – Nov 21 <sup>st</sup>		Ellipses and Hyperbolas	Notes & HW 8.2
	50	T – Nov 22 <sup>nd</sup>	HW 8.1 and 8.2	Parabolas; Identifying Conics	Notes & HW 8.3
	51	W – Nov 23 <sup>rd</sup>		Thanksgiving Holiday – No School	NA
	52	R – Nov 24 <sup>th</sup>		Thanksgiving Holiday – No School	NA
14	53	M – Nov 28 <sup>th</sup>		Review #8	Review #8
	54	T – Nov 29 <sup>th</sup>	HW 8.3, Notebook #8 and Review #8	Exam #8	Exam #8
	55	W – Nov 30 <sup>th</sup>		Intro to Sequences and Series	Notes & HW 9.1
	56	R – Dec 1 <sup>st</sup>	HW 9.1	Arithmetic Seq and Series	Notes & HW 9.2
15	57	M – Dec 5 <sup>th</sup>		Geometric Seq and Series	Notes & HW 9.3
	58	T – Dec 6 <sup>th</sup>	HW 9.2 and 9.3	Review for Comprehensive Final	Final Review
	59	W – Dec 7 <sup>th</sup>		Review for Comprehensive Final	Final Review
	60	R – Dec 8 <sup>th</sup>		Review for Comprehensive Final	Final Review
16	61	T – Dec 13 <sup>th</sup>	Final Review	Comprehensive Final Exam from 8:00 a.m. – 10:00 a.m.	Final Exam

**Note:** This schedule is tentative and may be altered as deemed necessary by the instructor. If there are any changes, they will be announced **in class and via a Blackboard announcement**.

**Personal Info**

Printed Name: \_\_\_\_\_

Age: \_\_\_\_\_

High School Attended: \_\_\_\_\_

Current City: \_\_\_\_\_

Major: \_\_\_\_\_

a. List any math classes (whether high school or college) that you completed successfully in the last four years.

b. This class is for students that are STEM majors. What made you decide on the major listed above?

3. Consider your weekly schedule (school, work, personal). Write the times in which you plan to work on this course during the week. You must account for at least 20 hours outside of our face-to-face class time.

4. Below, please write anything else you feel I should know about you that pertains to this class.

**Syllabus Receipt**

I certify that I have read and understood the class syllabus for MATH 0314/1414-C001, which is being taught in the fall semester of 2022.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date