

South Plains College
Common Course Syllabus: MATH 0314/MATH 1314
Revised August 2021

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0314 & MATH 1314

Course Title: College Algebra Support Course

Available Formats: conventional, hybrid, internet, and ITV

Campuses: Levelland, Reese, Plainview, Lubbock Center

Course Descriptions: Math 0314 is to be taken concurrently with MATH 1314. 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. MATH 1314 is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

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

Textbook: *College Algebra with Intermediate Algebra: A Blended Course*, Beecher, Penna, Johnson, and Bittinger, 2018, 1st Edition, Prentice Hall/Pearson Education

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

This course partially satisfies a Core Curriculum Requirement: MATH 1314 satisfies 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 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. 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 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.



Course Information Sheet – MATH 0314/1314.C271 – Fall 2021

Instructor: Denise Johansen

Office: LBC 125-F; (806)716-4632

Academic Coach: David Stewart

Office: LBC 125-A

Cell/Text: (513)227-0095

Email: djohansen@southplainscollege.edu

Time/Place: MTWTh 11am-12:45pm/LBC 131

Lubbock Center Office Hours (in LBC 125-F): M-Th 1pm-2pm, T/Th 9:30am-11am

Academic Coach Office Hours (in LBC 125-A): M-Th 2pm-3:45pm

Live (Zoom) Q&A: Thursdays 9-10pm (<https://southplainscollege.zoom.us/j/97699146529>)

By appointment: Schedule other Zoom meetings using <https://go.oncehub.com/djohansen>

Physical Textbook (Optional): College Algebra with Intermediate Algebra, A Blended Course, Beecher, Penna, Johnson, Bittinger. (2017). 1st ed . Pearson. ISBN for Book Only: 97801345556055. ISBN for Bundle (book plus MyMathLab access code): 9780134556017

Supplies (Required):

- MyMathLab access code: You can start with the 14-day free trial, then you can buy an access code to finish the semester. Purchase online from the publisher (usually \$25 cheaper) or from SPC Bookstore. MyMathLab includes access to electronic version of textbook. Registration and purchase instructions are posted on Blackboard.
- Calculator with a log function that is NOT your phone and NOT a TI-89 nor a TI-Nspire.

Technology Required:

Working, reliable internet access

Access to your SPC email.

Access to our Blackboard class. Login at <http://southplainscollege.blackboard.com>

MyMathLab website – login through Blackboard

Gradescope.com website – login through Blackboard

Computer, laptop, or tablet for accessing and completing assignments.

Course Requirements: To maximize the potential to successfully complete this course, a student should spend 20-30 hours per week for the 15 weeks of our semester doing the following:

- login to Blackboard at least five days a week, use the MyMathLab link to login to MML to read the required textbook sections, watch the required lecture videos and take

notes, thoroughly complete all homework assignments, and prepare well for examinations.

- There will be a Blackboard discussion board to be completed each week.
- Attend all class meetings and be prepared to ask your questions and take notes.
- Additionally, students are expected to check their SPC school email **daily** and respond to email communications promptly. **If you don't normally check your SPC email, make sure to set up your SPC account to forward mail to an account you do check.**

Contacting Your Instructor: I am available by phone or face-to-face visit in my office on the Lubbock Center campus during my posted office hours; you can email me or text my cell at any time. I also hold virtual office hours using Zoom (schedule time with me at <https://go.oncehub.com/djohansen>). I can also be reached by phone using my cellphone number (513-227-0095) during reasonable hours. If you have to leave a message, my response time is 1 business day or less.

Learning Materials/Activities: To be successful in this course, you will use the following materials and complete the given activities for each section of the textbook that we will cover.

- Textbook reading – Read the section in your textbook, whether you use a physical book or the eText inside MyMathLab. As you read, you should write notes on any new vocabulary words (usually in boldface type), formulas, theorems, and calculator commands. The reading may be your first introduction to the concepts.
- Explore assignment - Explore assignments for each section will be posted in MyMathLab under the Assignments button and will contain video lectures and vocabulary/concept check questions. As you view the videos/animations, you should add any new information to your textbook notes and copy into your notes any examples worked for you in the video, just as if you were sitting in class with that instructor. The exploration assignment is like a guided practice—concepts are still very new, but you should be getting more familiar with them.
- In-Class assignment – On most days that we meet for class, we will take some time to practice what you've learned and/or to apply the concepts to lab exercises.
- Homework assignment – Homework assignments for each section will be posted in MyMathLab under the Assignments button and will contain questions that may be multiple choice or fill-in-the-blank, but are primarily open-ended questions for problems that you work out. The questions generally give you 3 chances to get the question right before marking the problem wrong. You will then have access to a Similar Question button that will give you a new question and 3 more chances to get the question right. You have unlimited attempts on homework questions, so if you are persistent, do your work on time, and learn from your mistakes, you can earn 100% on all homework assignments. Also, every homework question has a Question Help button in the top right corner that will walk you through the solution, show you a similar example, link to the textbook section, sometimes links to a video example, or gives you a button to Ask My Instructor which sends me an email with your question. The purpose of homework is to practice, practice, practice! This is where you actually are learning the concepts, not just watching someone else work problems. **If you have to use the Question Help to work a problem, be sure to use the Similar Question button to work it again (and again!) until you can do the problems on your own.**

- Discussion board assignment – Not for each section we cover, but these are Blackboard assignments for you to get to know other students in the class, look for uses of mathematics in the real world, discuss strategies for solving problems, and generally get help from me and each other. For each discussion, you have to make your post before you can read the other students' posts. Your initial post is due by 5pm on Wednesdays, and your responses to classmates are due by 5pm on Fridays.

Course Evaluation:

- Daily Explore assignments will be posted, worth 5% of your grade. These are due before the class where the section will be discussed.
- There will be in-class assignments collected daily. By their very nature, in-class assignments can NOT be made up. The in-class average is worth 10% of your grade, and the lowest 2 in-class grades will be dropped.
- Daily online homework assignments will be due weekly, usually at 5pm on Fridays. The homework average is worth 10% of your grade, and the lowest 3 homework grades will be dropped.
- There will be 15 required Discussion boards posted on Blackboard during the term, worth a total of 5% of your grade, and the lowest two discussion grades will be dropped.
- There will be 11 online Quizzes (1 per "chapter" we cover) posted in MyMathLab under the Assignments button. You may prepare ONE 3"x5" handwritten notecard for your reference for each quiz, but other than that notecard and your calculator, each quiz is to be **completed on your own and without references**—no using your text, no Google, no Phone a Friend. The purpose of each quiz is to help you review the chapter and start to see the "bigger picture", rather than just one section at a time. Quizzes are TIMED and help get you ready for the Exams. You have two attempts on each quiz (I HIGHLY recommend taking your first attempt early enough that you have time to review your errors before taking the quiz again), and only the highest of your two attempts will count in your average. The Quiz Average is worth 10% of your grade, and the lowest quiz grade will be dropped.
- There will be 6 in-class exams, and the 5 highest are each worth 10% of your grade. For each of these exams, you are allowed ONE 3"x5" handwritten, front and back, notecard. If one exam is missed for a legitimate reason, the Final Exam grade will be substituted for the missed exam. All exams will be taken in person during our normal class time or proctored using Proctorio, with instructor permission, and will be timed at 90 minutes. There are NO makeup exams given for any reason. A second missed exam will receive a 0. It is still your responsibility to contact me **in advance** to let me know if you are going to miss an exam, and we can discuss alternative proctored testing for you.
- There will be 1 in-class cumulative final exam on **Tuesday, December 15th from 10:15am-12:15pm**, worth 10% of your grade. For this exam, you are allowed TWO 3"x5" handwritten, front and back, notecards.
- **Due dates:** Your initial posts on the required discussions are due on Wednesdays by 5pm, and your follow-up posts are due on Fridays by 5pm. MyMathLab assignments for the week will be released at 5pm on Fridays and due by 5pm on the following Friday. Due dates for the exams are listed in the Course Calendar section of the Syllabus.
- **Late work:** Late work on Explore, Homework, and Quizzes will be accepted in MyMathLab with a 20% late deduction. This means that if an assignment has 10 questions, and you get 9 of them correct and on time, you earned a 90% on the assignment. If you get the same 9 of them correct, but even one day late, you have

earned 80% of 90%, which is only 72%. PLEASE do your assignments on time; don't shoot yourself in the foot! Blackboard discussions will also be accepted with a 20% late deduction. **No assignments will be accepted after a hard deadline of 10am on Wednesday, December 15th.**

- **Final letter grades:** For the MATH 0314 support course, you will receive a pass or fail (P/F) grade. Because the goal of this course is to pass the college-level course, you will get will get a P in MATH 0314 if you finish the semester with a passing overall average. Ending the semester with an average below 60 will earn you an F for both courses. If you decide to drop the course, you will drop both MATH 0314 and MATH 1314.

Grading Policy:

Explore average	5%
Homework average	10%
Discussion boards	5%
In-Class average	10%
Quiz average	10%
Exams (5*10%)	50%
Final exam	10%

Letter Grades:

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

How your work is graded:

- MyMathLab grades online assignments as a percentage based on how many parts of a question were answered correctly, and these grades are immediately included in your MML class average and in your MML Gradebook.
 - You can access the MML Gradebook by clicking on the MyLab and Mastering Course Home link in any of the weekly course folders on Blackboard, and then click on the Gradebook button.
 - MML Gradebook items should sync with the Blackboard Gradebook every hour.
- For the Discussion Boards, your original post is generally worth 3 points, and your meaningful responses to 2 classmates are worth 2 points. Any exception to this will be explained in the instructions for that discussion.
- For the Exams that I grade, I give a percentage of points based on how many parts of the question were answered correctly.
 - You will take your paper and pencil exams in class with me, and I will scan the exams and upload the scans to Gradescope. I will grade exams and "publish" grades in Gradescope, Gradescope will update your Bb Gradebook and current class average to include those scores.

Response times for grading:

- Explore/Homework - Graded immediately by MyMathLab, reviewed by me within 1 business day if you contact me with a specific question/issue.
- In-Class - Graded by me and returned to you, usually by the next class meeting.
- Quiz - Graded immediately by MyMathLab, reviewed by me within 1 business day if you contact me with a specific question/issue.
- Discussion – Graded by me within 72 hours of due date.
- Exams - Graded by me and returned to you, usually by the next class meeting. Exception: the final exam is not returned to you, but you can come by the office to see it after grading.

Last day to drop is Thursday, December 2nd.

SPC School Holidays:

Monday, 9/6, Labor Day Holiday

Friday, 10/15, Fall Break

Wednesday-Friday, 11/24-11/26, Thanksgiving Break

Daily Health Screening: It is critical that you honestly self-screen and STAY HOME if you are experiencing any of the following: fever, cough, chills, muscle pain, shortness of breath or difficulty breathing, new loss of taste or smell, or a sore throat. CONTACT ME if you are having any health issues that interfere with coming to class, taking your exams, or completing other assignments on time.

Cellphones: To limit disruptions to the class and distractions to yourself, please put your cellphone on silent mode or airplane mode. If you feel a call is an emergency that you must answer, please take the phone out in the hall before answering to minimize the disruption to the class. If you feel you must leave class, please do so as quietly as possible.

Dress Code: Reasonable standards of decency apply to the college community. The student should dress in a manner which does not distract from the academic atmosphere. Revealing attire or clothing carrying obscene or offensive slogans is not permitted. In all academic buildings, classrooms, offices, the Student Center, and dining facilities, students are required to wear shirts and shoes.

Language: Please be respectful of others and use language that is appropriate to the workplace. Remember that you are addressing a group. Even though you don't see them, they will be reading. This means several things:

- Don't say/write things that you wouldn't say/write publicly (face-to-face).
- Don't address comments to individuals unless you want all to know what you are telling that person.
- Don't share confidential information. If you are quoting from something another person has sent you personally, ask their permission first.
- Read your message before you send it since once it is out there, you can't change it.

COURSE OUTLINE / CALENDAR*

Problems are assigned online for each section of the textbook that we cover. To access online assignments, you must have an access code (you can buy a code for MyMathLab from the Bookstore or you can buy access directly from Pearson Publishing inside Blackboard) and register for our course through Blackboard. Assignments have due dates, generally at 5pm on Fridays, except your initial post for each Blackboard Discussion is due by 5pm on Wednesdays. For example, in Week 1, your original post in Blackboard Discussion 1 is due by 5pm on Wednesday, 9/1, and your responses to 2 classmates are due by 5pm on Friday, 9/3. You will lose 20% for work completed after the due date passes. To master the material and prepare for the exams, you **MUST** work extra problems!

* Assignments and deadlines are subject to change at instructor's discretion, and all changes will be announced in class and posted in MyMathLab.

Date	Content	Assignments
Week 1 8/30 8/31 9/1 9/2	Syllabus, Review of Basic Algebra (Part 1) <ul style="list-style-type: none"> • Syllabus Overview • R.2 Operations with Real Numbers • R.3 Exponential Notation and Order of Operations • R.4 Introduction to Algebraic Expressions • R.5 Equivalent Algebraic Expressions 	Day 1 Checklist Blackboard Discussion 1 – Introduce Yourself Syllabus Quiz at Gradescope.com due 5pm, 9/3 Read Sections R.2-R.5 MML Orientation MML Explore R.2-R.5 MML Hwk R.2-R.5 Due 5pm, 9/10
Week 2 9/6 9/7 9/8 9/9	Review of Basic Algebra (Part 2) & Solving Linear Equations and Inequalities (Part 1) <ul style="list-style-type: none"> • Labor Day Holiday – No Classes! • R.6 Simplifying Algebraic Expressions • R.7 Properties of Exponents and Scientific Notation • 1.1 Solving Equations • 1.2 Formulas and Applications • 1.3 Applications and Problem Solving • 1.4 Sets, Inequalities, and Interval Notation • 1.5 Intersections, Unions, and Compound Inequalities 	Bb Discussion 2 – Success Plan Read Sections R.6-R.7, 1.1-1.5 MML Explore R.6-R.7, 1.1-1.5 MML Hwk R.6-R.7, 1.1-1.5 MML Quiz 1 (Ch. R) Due 5pm, 9/10
Week 3 9/13 9/14 9/15 9/16	Solving Linear Equations and Inequalities (Part 2), Exam 1, and Graphs, Functions, and Applications (Part 1) <ul style="list-style-type: none"> • 1.6 Absolute-Value Equations and Inequalities • Review for Exam 1 • Exam 1 (Chapters R and 1) • 2.1 Graphs of Equations • 2.2 Functions and Graphs 	Bb Discussion 3 – Mindset #1 Due 5pm, 9/17 Read Sections 1.6, 2.1-2.2 MML Explore 1.6, 2.1-2.2 MML Hwk 1.6, 2.1-2.2 MML Quiz 2 (Ch. 1) Due 5pm, 9/24

<p>Week 4</p> <p>9/20</p> <p>9/21</p> <p>9/22</p> <p>9/23</p>	<p>Graphs, Functions, and Applications (Part 2) & Review for Exam 2</p> <ul style="list-style-type: none"> 2.3 Finding Domain and Range 2.4 The Algebra of Functions 2.5 Linear Functions: Graphs and Slope 2.6 More on Graphing Linear Equations 2.7 Finding Equations of Lines; Applications Review for Exam 2 	<p>Bb Discussion 4 – Study Strategies</p> <p>Read Sections 2.3-2.7 MML Explore 2.3-2.7 MML Hwk 2.3-2.7</p> <p>MML Quiz 3 (Ch. 2)</p> <p>Due 5pm, 9/24</p>
<p>Week 5</p> <p>9/27</p> <p>9/28</p> <p>9/29</p> <p>9/30</p>	<p>Exam 2, Systems of Equations, and Polynomials and Polynomial Functions (Part 1)</p> <ul style="list-style-type: none"> Exam 2 (Ch. 2) 3.1 Systems of Equations in Two Variables 3.2 Solving by Substitution 3.3 Solving by Elimination 3.4 Solving Applied Problems: Two Equations 4.1 Introduction to Polynomials and Polynomial Functions 4.2 Multiplication of Polynomials 	<p>Bb Discussion 5 – TBD Due 5pm, 10/1</p> <p>Read Sections 3.1-3.4, 4.1-4.2 MML Explore 3.1-3.4, 4.1-4.2 MML Hwk 3.1-3.4, 4.1-4.2</p> <p>MML Quiz 4 (Ch. 3)</p> <p>Due 5pm, 10/8</p>
<p>Week 6</p> <p>10/4</p> <p>10/5</p> <p>10/6</p> <p>10/7</p>	<p>Polynomials and Polynomial Functions (Part 2)</p> <ul style="list-style-type: none"> 4.3 Introduction to Factoring 4.4 Factoring Trinomials: $x^2 + bx + c$ 4.5 Factoring Trinomials: $ax^2 + bx + c$, $a \neq 1$ 4.6 Special Factoring 4.7 Factoring: A General Strategy 4.8 Applications of Polynomial Equations and Functions 	<p>Bb Discussion 6 – TBD</p> <p>Read Sections 4.3-4.8 MML Explore 4.3-4.8 MML Hwk 4.3-4.8</p> <p>MML Quiz 5 (Ch. 4)</p> <p>Due 5pm, 10/8</p>
<p>Week 7</p> <p>10/11</p> <p>10/12</p> <p>10/13</p> <p>10/14</p>	<p>Exam 3 & Rational Expressions, Equations, and Functions</p> <ul style="list-style-type: none"> Review for Exam 3 Exam 3 (Ch. 3 & 4) 5.5 Solving Rational Equations 5.6 Applications and Proportions 	<p>Bb Discussion 7 – TBD Due 5pm, 10/15</p> <p>Read Sections 5.5-5.6 MML Explore 5.5-5.6 MML Hwk 5.5-5.6</p> <p>MML Quiz 6 (Ch. 5) Due 5pm, 10/22</p>

Week 8	Radical Expressions, Equations, and Functions & Review for Exam 4	Bb Discussion 8 – TBD
10/18	<ul style="list-style-type: none"> 6.1 Radical Expressions and Functions 6.2 Rational Numbers as Exponents 	Read Sections 6.1-6.3, 6.6-6.7 MML Explore 6.1-6.3, 6.6-6.7 MML Hwk 6.1-6.3, 6.6-6.7
10/19	<ul style="list-style-type: none"> 6.3 Simplifying Radical Expressions 	
10/20	<ul style="list-style-type: none"> 6.6 Solving Radical Equations 6.7 Applications Involving Powers and Roots 	
10/21	<ul style="list-style-type: none"> Review for Exam 4 	MML Quiz 7 (Ch. 6) Due 5pm, 10/22
Week 9	Exam 4 & Quadratic Functions & Equations	Bb Discussion 9 – TBD Due 5pm, 10/29
10/25	<ul style="list-style-type: none"> Exam 4 (Ch. 5 & 6) 	
10/26	<ul style="list-style-type: none"> 6.8 Increasing, Decreasing, and Piecewise Functions; Applications 7.1 Symmetry 	Read Sections 6.8, 7.1-7.5 MML Explore 6.8, 7.1-7.5 MML Hwk 6.8, 7.1-7.5
10/27	<ul style="list-style-type: none"> 7.2 Transformations 7.3 The Complex Numbers 	MML Quiz 8 (Ch. 7) Due 5pm, 11/5
10/28	<ul style="list-style-type: none"> 7.4 Quadratic Equations, Functions, Zeros, and Models 7.5 Analyzing Graphs of Quadratic Functions 	
Week 10	Polynomial Functions and Rational Functions (Part 1)	Bb Discussion 10 – TBD
11/1	<ul style="list-style-type: none"> 8.1 Polynomial Functions and Models 	Read Sections 5.3, 8.1-8.4 MML Explore 5.3, 8.1-8.4 MML Hwk 5.3, 8.1-8.4
11/2	<ul style="list-style-type: none"> 8.2 Graphing Polynomial Functions 	
11/3	<ul style="list-style-type: none"> 5.3 Division of Polynomials 8.3 Polynomial Division; The Remainder Theorem and the Factor Theorem 	Due 5pm, 11/5
11/4	<ul style="list-style-type: none"> 8.4 Theorems About Zeros of Polynomial Functions 	
Week 11	Polynomial Functions and Rational Functions (Part 2) & Exam 5	Bb Discussion 11 – TBD
11/8	<ul style="list-style-type: none"> 8.5 Rational Functions 	Read Sections 8.5-8.6 MML Explore 8.5-8.6 MML Hwk 8.5-8.6
11/9	<ul style="list-style-type: none"> 8.6 Polynomial Inequalities and Rational Inequalities 	
11/10	<ul style="list-style-type: none"> Review for Exam 5 	MML Quiz 9 (Ch. 8) Due 5pm, 11/12
11/11	<ul style="list-style-type: none"> Exam 5 (Ch. 7 & 8) 	

Week 12 11/15 11/16 11/17 11/18	Exponential Functions and Logarithmic Functions (Part 1) <ul style="list-style-type: none"> • 9.1 The Composition of Functions • 9.2 Inverse Functions • 9.3 Exponential Functions and Graphs • 9.4 Logarithmic Functions and Graphs 	Bb Discussion 12 – TBD Read Sections 9.1-9.4 MML Explore 9.1-9.4 MML Hwk 9.1-9.4 Due 5pm, 11/19
Week 13 11/22 11/23 11/24-11/25	Exponential Functions and Logarithmic Functions (Part 2) <ul style="list-style-type: none"> • 9.5 Properties of Logarithmic Functions • 9.6 Solving Exponential Equations and Logarithmic Equations • 11/24-11/26 - Thanksgiving Holiday – No Classes! 	Bb Discussion 13 – Gratitude Due 5pm, 11/24 Read Sections 9.5-9.6 MML Explore 9.5-9.6 MML Hwk 9.5-9.6 Due 5pm, 12/3
Week 14 11/29 11/30 12/1 12/2	Exponential Functions and Logarithmic Functions (Part 2), Exam 6, & Systems of Equations <ul style="list-style-type: none"> • 9.7 Applications and Models: Growth and Decay; Compound Interest • Review for Exam 3 • Exam 6 • 3.5 Systems of Equations in Three Variables 	Bb Discussion 14 – TBD Due 5pm, 12/3 Read Sections 9.7, 3.5 MML Explore 9.7, 3.5 MML Hwk 9.7, 3.5 MML Quiz 10 (Ch. 9) 9.7 due 5pm, 11/30 3.5 due 5pm 12/10
Week 15 12/6 12/7 12/8 12/9	Matrices & Review for Final Exam <ul style="list-style-type: none"> • 10.1 Matrices and Systems of Equations • 10.4 Determinants and Cramer’s Rule • Review for Final Exam • Review for Final Exam 	Bb Discussion 15 – Dear Younger Me Read Sections 10.1, 10.4 MML Explore 10.1, 10.4 MML Hwk 10.1, 10.4 MML Quiz 11 (Ch. 10) Due 5pm, 12/10
Week 16 12/14	Cumulative Final Exam <ul style="list-style-type: none"> • Final Exam 10:15am-12:15pm 	

* Assignments and deadlines are subject to change at instructor’s discretion, and all changes will be announced in class and posted in MyMathLab.

