

South Plains College
Common Course Syllabus: MATH 0314/MATH 1314
Revised July 2023

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0314/ MATH 1314

Course Title: College Algebra Support Course/College Algebra

Available Formats: conventional, hybrid, internet, and ITV

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

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 or MATH 0305.

Credit: 6 **Lecture:** 6 **Lab:** 2

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. **For the purposes of this class, you are allowed to miss 17 assignments.** 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.
10. Providing a test or test answers to another student.
11. Failing to secure your work and allowing another student to access your test or test answers, whether knowingly or not.

Penalties for academic integrity violations will range from a 50% to a 100% grade reduction, depending on the severity of the infraction.

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

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

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

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

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

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

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

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

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



Course Information Sheet – MATH 0314/1314.C601 – Fall 2024

Instructor: Denise Johansen

Office: LBK Downtown B020; (806)716-4632

Cell/Text: (513)227-0095

Email: djohansen@southplainscollege.edu

Time/Place: MTWTh 9am-10:45am/Lubbock Downtown Center B003

Lubbock Downtown Center Office Hours (in B020): MW 2:30pm-3:30pm, T/Th 11am-12pm and 2:30pm-3:30pm, F 9am-11am.

By appointment: Schedule 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.

Supplies (Required):

- Calculator with a log function that is NOT your phone and NOT a TI-89 nor a TI-Nspire.
- MyMathLab access code: The cost of this has already been added to the regular tuition and fees for the class through the TexBook program. More information on this can be found below:

TexBook Syllabus Statement

This course is part of your TexBook program, which means you don't need to purchase a textbook or access code for this course. TexBook is the required content (either an eBook or online Courseware) for your course, and is provided for you via the Bibliu platform from Day 1 of class.

- Cost of TexBook: this required content is provided as part of a Program called 'Inclusive Access', which means that content is provided for you at the lowest price available from the publisher. The cost for this is included in your tuition.
- How to access your digital content via Bibliu: you can access your material via the Bibliu link inside your Blackboard Course, or directly via the Bibliu app. If you have issues with this, please contact your professor, the Bookstore Manager or Bibliu Support (see below).
- The Bibliu platform: you can use the Bibliu platform to enhance your learning experience, with features including: highlighting, notes and reading text aloud. For more details and support on how to use Bibliu, please visit the [BibliU support pages](#), or contact Bibliu support via the email: support@bibliu.com
- Opting out: you can Opt-Out of the TexBook Program, up until the Opt-Out deadline, via the banner displayed when you open the Bibliu platform. Remember that Opt-Out deadlines vary by term, and if you choose to Opt-Out you will lose access to this low price

option, and will need to purchase the content through a different method. If you opt-Out, the fee will be refunded to your account.

Useful contacts:

1. Bookstore Manager: Christian Bruno - christian.bruno@bibliu.com
2. Bookstore Text Coordinator: Trish Wells - patricia.wells@bibliu.com (Phone: 806-716-2097)
3. Bibliu Support: email support@bibliu.com

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, tablet, or phone for accessing and completing assignments.

Course Delivery: This course is a **face-to-face, lecture-based** course with online homework and discussions and in-person meetings and exams. I will be covering course material during class, but you will understand more if you will read the text and watch the section videos **before** you come to class. You can find links for these in the Hwk assignments in MyMathLab. Also during class, you will have the opportunity to ask questions, we will have class discussions, and there will be short in-class labs to practice the topics. I use email, MyMathLab, Blackboard, Zoom, and Gradescope.com to deliver and manage this course.

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:

- Attend all class meetings and be prepared to ask your questions and take notes.
- 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.
- The six written exams will be taken in class, and the Final Exam will be taken according to the SPC Final Exam Schedule.
- 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.

- Homework assignment (in MyMathLab) –
 - 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 worked examples. The reading may be your first introduction to the concepts.
 - Section video - Link to section video will be in the Hwk assignment. As you view the video, 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.
 - Homework questions 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 Question Helps available at the bottom of the homework question. The Help Me Solve This button in the bottom left corner will walk you through a solution. Other helps may show you a similar example, link to the textbook section, and sometimes links to a video example. Under Get More Help, there is usually 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.**
- 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.
- 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 11:59pm on Wednesdays, and your responses to classmates are due by 11:59pm on Sundays.

Course Evaluation:

- There will be in-class assignments collected most days. Because these activities are done in-class, there are generally no makeups if you are absent. The only makeups allowed will be for absences that are qualified by DeEtte Edens with SPC's Health Services. The lowest 4 in-class grades will be dropped, and the remaining average will be worth 5% of your grade.
- Daily online homework assignments will be due weekly, usually at 11:59pm on Sundays. 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. **These are NOT open book quizzes.** 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; the lowest exam grade will be dropped. 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 and will be timed at 90 minutes. There are NO makeup exams or retakes 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 potentially discuss alternative proctored testing for you.
- There will be 1 in-class cumulative final exam on **Wednesday, December 11th from 8am-10am**, worth 20% 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 11:59pm, and your follow-up posts are due on Sundays by 11:59pm. MyMathLab assignments for the following week will be released at 5pm on Fridays and usually due by 11:59pm on Sundays after the material is covered in class. Dates for the exams are listed in the Course Outline/Calendar section of the Syllabus.
- **Late work:** Late work on 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 extensions will be given for any coursework.** The exception to this policy is if you are severely ill and/or hospitalized. If this is the case, you must contact DeEtte Edens at dedens@southplainscollege.edu or at (806) 716-2376 and submit the required medical documentation to her. She will notify the instructor, if the illness warrants an extension.
 - **No assignments will be accepted after a hard deadline of 8am on Wednesday, December 11th.**
- **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 65 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:

Homework average	10%
Discussion boards	5%
In-Class average	5%
Quiz average	10%
Exams (5*10%)	50%
Final exam	20%

Letter Grades:

90% - 100%	A
80% - 89%	B
70% - 79%	C
65% - 69%	D
64% & 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 Gradebook.
 - To access the MML Gradebook login to Blackboard, click on the Course Content button, click on the Course Materials link, click on Launch Courseware, click on the MyLab and Mastering Course Home link, 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:

- 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 one week of due date.
- Exams - I will grade exams and “publish” grades in Gradescope, Gradescope will update your Bb Gradebook and current class average to include those scores.
Exception: the final exam is not returned to you, but you can come by the office to see it after grading.

Reviewing Grades on Blackboard: After you complete MML assignments or I grade your other assignments and exams, you should be able to log into Blackboard to see your grade in the Gradebook tab.

Reviewing Grades on Gradescope: After I grade your exams, you should be able to log into Blackboard to see your grade and my comments. Click on the Gradescope link in the Start Here folder or the Week 0 folder on Blackboard to get to your graded exams.

Last day to drop is Wednesday, December 4th.

SPC School Holidays:

Monday, 9/2, Labor Day Holiday

Friday, 10/18, Fall Break

Wednesday-Friday, 11/27-11/30, Thanksgiving Holidays

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 DeEtte Edens at dedens@southplainscollege.edu or at (806) 716-2376 and submit the required medical documentation to her if you are having any health issues that interfere with 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 in MyMathLab for each section of the textbook that we cover. To access online assignments, you must initially opt-in by opening the Course Content folder in Blackboard, then click the Course Materials link, then click the Opt-In button. (You already paid for the course materials at registration; there's no additional fee. If you opt-out, you can buy an access code for MyMathLab directly from Pearson Publishing, but this will cost more.) After the initial registration process, you can access your MML assignments through Blackboard or by directly logging in to MyMathLab.com. Assignments have due dates, and 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 emailed to the class and posted in Blackboard Announcements.

Date	Content	Assignments
Week 1 8/26	Syllabus, Review of Basic Algebra (Part 1) <ul style="list-style-type: none"> Syllabus Overview 	Day 1 Checklist
8/27	<ul style="list-style-type: none"> R.2 Operations with Real Numbers 	Blackboard Discussion 1 – Introduce Yourself
8/28	<ul style="list-style-type: none"> R.3 Exponential Notation and Order of Operations R.4 Introduction to Algebraic Expressions 	Read Sections R.2-R.5 MML Orientation MML Hwk R.2-R.5
8/29	<ul style="list-style-type: none"> R.5 Equivalent Algebraic Expressions 	Due 11:59pm, 9/1
Week 2 9/2	Review of Basic Algebra (Part 2) & Solving Linear Equations and Inequalities (Part 1) <ul style="list-style-type: none"> Labor Day Holiday – No Classes! 	Bb Discussion 2 – Success Plan
9/3	<ul style="list-style-type: none"> R.6 Simplifying Algebraic Expressions R.7 Properties of Exponents and Scientific Notation 	Read Sections R.6-R.7, 1.1-1.5 MML Hwk R.6-R.7, 1.1-1.5
9/4	<ul style="list-style-type: none"> 1.1 Solving Equations 1.2 Formulas and Applications 1.3 Applications and Problem Solving 	MML Quiz 1 (Ch. R)
9/5	<ul style="list-style-type: none"> 1.4 Sets, Inequalities, and Interval Notation 1.5 Intersections, Unions, and Compound Inequalities 	Due 11:59pm, 9/8

<p>Week 3</p> <p>9/9</p> <p>9/10</p> <p>9/11</p> <p>9/12</p>	<p>Solving Linear Equations and Inequalities (Part 2), Exam 1, and Graphs, Functions, and Applications (Part 1)</p> <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 	<p>Bb Discussion 3 – Study Strategies</p> <p>Read Sections 1.6, 2.1-2.2 MML Hwk 1.6, 2.1-2.2</p> <p>MML Hwk 1.6 & Quiz 2 (Ch. 1) Due 11:59pm, 9/10</p> <p>All other Week 3 assignments Due 11:59pm, 9/15</p>
<p>Week 4</p> <p>9/16</p> <p>9/17</p> <p>9/18</p> <p>9/19</p>	<p>Graphs, Functions, and Applications (Part 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 – Growth Mindset</p> <p>Read Sections 2.3-2.7 MML Hwk 2.3-2.7</p> <p>MML Quiz 3 (Ch. 2)</p> <p>Due 11:59pm, 9/22</p>
<p>Week 5</p> <p>9/23</p> <p>9/24</p> <p>9/25</p> <p>9/26</p>	<p>Exam 2, Systems of Equations (Part 1), & 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 – Review Success Plan</p> <p>Read Sections 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 11:59pm, 9/29</p>
<p>Week 6</p> <p>9/30</p> <p>10/1</p> <p>10/2</p> <p>10/3</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 – Halloween Recap</p> <p>Read Sections 4.3-4.8 MML Hwk 4.3-4.8</p> <p>MML Quiz 5 (Ch. 4)</p> <p>Due 11:59pm, 10/6</p>

<p>Week 7</p> <p>10/7</p> <p>10/8</p> <p>10/9</p> <p>10/10</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 – Stress Management</p> <p>Read Sections 5.5-5.6 MML Hwk 5.5-5.6</p> <p>MML Quiz 6 (Ch. 5)</p> <p>Due 11:59pm, 10/13</p>
<p>Week 8</p> <p>10/14</p> <p>10/15</p> <p>10/16</p> <p>10/17</p>	<p>Radical Expressions, Equations, and Functions & Quadratic Functions & Equations (Part 1)</p> <ul style="list-style-type: none"> 6.1 Radical Expressions and Functions 6.2 Rational Numbers as Exponents 6.3 Simplifying Radical Expressions 6.6 Solving Radical Equations 6.7 Applications Involving Powers and Roots 6.8 Increasing, Decreasing, and Piecewise Functions; Applications 7.1 Symmetry <p>10/18 – Fall Break – No office hours</p>	<p>Bb Discussion 8 – Sleep</p> <p>Read Sections 6.1-6.3, 6.6-6.8 MML Hwk 6.1-6.3, 6.6-6.8</p> <p>MML Quiz 7 (Ch. 6)</p> <p>Due 11:59pm, 10/20</p> <p>Section 7.1</p> <p>Due 11:59pm, 10/27</p>
<p>Week 9</p> <p>10/21</p> <p>10/22</p> <p>10/23</p> <p>10/24</p>	<p>Exam 4 & Quadratic Functions & Equations (Part 2)</p> <ul style="list-style-type: none"> Review for Exam 4 Exam 4 (Ch. 5 & 6) 7.2 Transformations 7.3 The Complex Numbers 	<p>Bb Discussion 9 – Nutrition</p> <p>Read Sections 7.1-7.3 MML Hwk 7.1-7.3</p> <p>Due 11:59pm, 10/27</p>
<p>Week 10</p> <p>10/28</p> <p>10/29</p> <p>10/30</p> <p>10/31</p>	<p>Quadratic Functions & Equations (Part 3) & Polynomial Functions and Rational Functions (Part 1)</p> <ul style="list-style-type: none"> 7.4 Quadratic Equations, Functions, Zeros, and Models 7.5 Analyzing Graphs of Quadratic Functions 8.1 Polynomial Functions and Models 8.2 Graphing Polynomial Functions 8.3 Polynomial Division; The Remainder Theorem and the Factor Theorem 	<p>Bb Discussion 10 – Transformations</p> <p>Read Sections 7.4-7.5, 8.1-8.3 MML Hwk 7.4-7.5, 8.1-8.3</p> <p>MML Quiz 8 (Ch. 7)</p> <p>Due 11:59pm, 11/3</p>

<p>Week 11</p> <p>11/4</p> <p>11/5</p> <p>11/6</p> <p>11/7</p>	<p>Polynomial Functions and Rational Functions (Part 2)</p> <ul style="list-style-type: none"> • 8.4 Theorems About Zeros of Polynomial Functions • 8.5 Rational Functions • 8.6 Polynomial Inequalities and Rational Inequalities • Review for Exam 5 	<p>Bb Discussion 11 – Math Anxiety</p> <p>Read Sections 8.4-8.6 MML Hwk 8.4-8.6</p> <p>MML Quiz 9 (Ch. 8)</p> <p>Due 11:59pm, 11/10</p>
<p>Week 12</p> <p>11/11</p> <p>11/12</p> <p>11/13</p> <p>11/14</p>	<p>Exam 3 & Exponential Functions and Logarithmic Functions (Part 1)</p> <ul style="list-style-type: none"> • Exam 5 (Ch. 7 & 8) • 9.1 The Composition of Functions • 9.2 Inverse Functions • 9.3 Exponential Functions and Graphs 	<p>Bb Discussion 12 – Build a Rational Function</p> <p>Read Sections 9.1-9.3 MML Hwk 9.1-9.3</p> <p>Due 11:59pm, 11/17</p>
<p>Week 13</p> <p>11/18</p> <p>11/19</p> <p>11/20</p> <p>11/21</p>	<p>Exponential Functions and Logarithmic Functions (Part 2)</p> <ul style="list-style-type: none"> • 9.4 Logarithmic Functions and Graphs • 9.5 Properties of Logarithmic Functions • 9.6 Solving Exponential Equations and Logarithmic Equations • 9.7 Applications and Models: Growth and Decay; Compound Interest 	<p>Bb Discussion 13 – Math in Your Career</p> <p>Read Sections 9.4-9.7 MML Hwk 9.4-9.7</p> <p>MML Quiz 10 (Ch. 9)</p> <p>Due 11:59pm, 11/24</p>
<p>Week 14</p> <p>11/25</p> <p>11/26</p>	<p>Exam 6 & Thanksgiving Holidays</p> <ul style="list-style-type: none"> • Review for Exam 6 • Exam 6 <p>11/27-11/30 - Thanksgiving Holidays – No classes and no office hours</p>	<p>Bb Discussion 14 – Gratitude</p> <p>Due 11:59pm, 12/1</p>

Week 15 12/2 12/3 12/4 12/5	Systems of Equations (Part 2), Matrices, & Review for Final Exam <ul style="list-style-type: none"> • 3.5 Systems of Equations in Three Variables • 10.1 Matrices and Systems of Equations • 10.4 Determinants and Cramer's Rule • Review for Final Exam 	Bb Discussion 15 – Dear Younger Me Read Sections 3.5, 10.1, 10.4 MML Hwk 3.5, 10.1, 10.4 MML Quiz 11 (Ch. 10) Due 11:59pm, 12/8
Week 16 12/11	Cumulative/Comprehensive Final Exam <ul style="list-style-type: none"> • Final Exam 8am-10am Any late work due by 8am, Wednesday, 12/11	Have a safe and happy Christmas break!

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