About the Course:

This course is designed to help you learn algebra. There are several components including class meetings, problem solving sessions called Math Gym, and an individualized, computer-based algebra package in a dedicated Mastery Math Lab. All of the components are important: the class meetings are designed to give you expert help and guidance in figuring out the more complex concepts, the Math Gym problem solving sessions give you a chance at asking questions about math problems that you are having difficulty solving, and the computer-based work provides you with the necessary practice and time doing math yourself (rather than watching someone else do it). Likewise, specific items like in-class quizzes and test reviews are included because they serve a purpose that is based on cognitive science – the science of learning. Working hard at all elements of this course will bring you success.

Prerequisites: C or better in Intermediate Algebra (MAT 1033) or an adequate score on the placement test.

What you need for this course:
- **Textbook**: Algebra & Trigonometry by M. Sullivan 9th edition packaged with MyLabsPlus (MLP) access code OR MyLabsPlus Access Code alone (MyLabsPlus program contains an electronic version of the textbook)
- iClicker (available in the FIU bookstore) – In-class quizzes and participation are recorded using iClickers. You must register iClicker by Friday, August 29th
- Texas Instruments Calculator TI-30X II S. You will not be allowed to use other calculators on the exams.
- Class Notebook. Required for entrance into Math Gym each week.

Things you need to do the first week:
- Read and understand the syllabus. Questions? Ask!
- Sign up for Math Gym. An email will be sent to your FIU email account on Monday, August 25th after 5 PM. The link and instructions will be in the email.
- Buy/rent/borrow an iclicker
- Register iclicker. See MyLabsPlus & iClicker tab for instructions.

Things you need to do every week:
- Read sections in textbook, take notes in your well-organized notebook, and try some problems before coming to class.
- Attend and participate in every class
- Complete 3 lab hours every week.
- Complete homework assignment and quiz on MyLabsPlus
- Attend 1 hour of Math Gym every week
- Ask for help from an LA or Faculty

What we want you to get out of this course....

We want you to leave this class with confidence in your own ability to do math and the understanding that problem solving is often about perseverance. You will gain mathematical and analytical tools not only to succeed in future coursework but also to become a critical consumer of mathematical information you encounter in everyday life. We want you to become the agent of your own learning.

Things I will do:
- Prepare lessons that address challenging topics
- Be available for office hours for 2 hours every week
- Work in the lab 4 hours every week
- Create questions designed to identify common misunderstandings
• Engage you in class discussions
• Update your gradebook every other Tuesday
• Communicate with you. I will respond to emails within 2 work days but check the lab and office hours above to find me in person. For emergencies call the Math Office 305-349-2743.

Course Description and Objectives: The emphasis of the course is on functions and their properties. In particular, linear, quadratic, rational, exponential and logarithmic functions are discussed.

What we will do in this course:
• Develop the ideas behind variables and relationships among them.
• Distinguish between expressions and equations
• Solve different types of equations as well as systems of linear equations
• Define and explore functions and their properties
• Learn what graphs can tell us.

Components of the Course:
Class meetings
• In-class quizzes based on work done in the class that day.
• Presentation and discussion of weekly topics
• iClicker questions and interactive work – this counts for 3% of your grade (the difference between a 68% and a 71%! – ie the difference between passing and failing)

Math Gym. One hour of your weekly class time is spent in Math Gym (this replaces one of your class sessions each week).
• Learn how to think about solving math problems so that you are not just memorizing steps or guessing what comes next.
• Chance to address questions that you have about the material in a small group setting.
• Get feedback and support on how to succeed from students like you that already have.

Mastery Math Lab – At least 3 hours per week required. Lab hours are Monday through Friday, 8 am - 8 pm and Sunday, 1 - 6pm
• Practice doing your math where you can get help.
• Ask Instructors and Learning Assistants about math concepts that you are having difficulty with.
• Do MyLabsPlus Homework and Quizzes.
• Spend time working on math where you will not be distracted by TV, friends, pets, sleep, etc.

Administrative Drop: If you do not come to class or do not sign into the lab by Thursday August 28th at 8 PM, you will be administratively dropped from the course. This means that you must do both.

Calculating your course grade:

<table>
<thead>
<tr>
<th>Grade components</th>
<th>% of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tests 1-4</td>
<td>11.25% each</td>
</tr>
<tr>
<td>MLP Homework assignments</td>
<td>8%</td>
</tr>
<tr>
<td>MLP &amp; In-class Quizzes</td>
<td></td>
</tr>
<tr>
<td>MLP quizzes</td>
<td>9%</td>
</tr>
<tr>
<td>In-class quizzes</td>
<td>3%</td>
</tr>
<tr>
<td>Participation</td>
<td></td>
</tr>
<tr>
<td>Lab hours</td>
<td>7%</td>
</tr>
<tr>
<td>Class</td>
<td>3%</td>
</tr>
<tr>
<td>Final exam</td>
<td>25%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Calculator Policy: Graphing calculators are not allowed in this course. You can use the scientific calculator TI-30X II S. This is the calculator that you will get for the test so it will be better for you to get one and get used to using it. **No other calculator can be used on a test.** There are some parts in few problems in some online assignments that ask for the use of graphing calculator. Please complete the parts that do not require a graphing calculator and disregard those parts that do.
**Make-up Policy:** There will be no make-up tests. If you miss a test due to illness or other emergency and provide documentation, your final exam will count in place of the missed test. There will be no make-ups for MLP assignments. Personal travel plans are not a valid reason for missing a test. University related absences that require special scheduling must be arranged one week prior to the test.

**Final Exam Policy:** If you have taken all four exams (or you have missed one examine due to an excused absence), the final exam will replace your lowest test grade as long as it is beneficial to your overall grade. You may not replace more than one test grade with the final. Note that this means your final exam grade has substantially more impact on your overall result in the class (almost 40% of your overall grade).

**Drop Date:** The last day to drop a course is Monday, November 3rd, 2014. If you are thinking of dropping the course, come talk to me first.
MyLabsPlus & iClickers

Graded Assignments: MyLabsPlus assignments are available at http://fiu.mylabsplus.com. Once you have registered for the class and soon before the start of the semester, an email will be sent to your Panther email account with login information. You will be able to access the site, but to gain access to assignments you must purchase an access code for MyLabsPlus. iClickers are used for in-class quizzes and must be registered by Friday, August 29th.

Here is information on how to access/register:

MyLabsPlus

Access code:
- Purchase an access code at FIU bookstore together with the textbook or as standalone item. Keep your access code!!!!! If you have to retake the class you can reuse this code for up to one year.
  OR
- Purchase it online directly from Pearson while attempting to use the MyLabsPlus site (valid credit card required).
  - If you are not able to purchase an access code immediately, you can use a temporary access code. A temporary access code can be obtained directly from the MylabsPlus site. A temporary access code is valid for ONLY 17 calendar days and it allows you to get started with your assignments on the first day of classes. After the code expires (17 days after the start of the semester), you will be prompted to enter the permanent code or purchase the code using a credit card. You will not be allowed to continue your course until a permanent code is entered. You cannot buy/enter a permanent code until the temporary code expires.

Repeating the course
- If you took this course in Fall 2013, Spring 2014 or Summer 2014, you will still automatically have access to MyLabsPlus.

iClicker

Web Registration:
- Register your iClicker2 remote online by Friday, August 29th (see note regarding Administrative Drop on page 1 of this syllabus).
- To register online go to http://www.iclicker.com/registration.
- Complete the fields with your first name, last name, student ID, and remote ID. Your student ID should be your FIU Panther ID e.g. 5556666. The remote ID is the series of numbers and sometimes letters found on the bottom of the back of your iClicker2 remote. It can also be found on the LCD screen upon powering on your iClicker2 remote. You must come to class at least once and vote on at least one question in order to complete the registration.
- If you have lost or broken your iClicker remote, you will have to purchase another one. Please email me with your new Remote ID so that I can manually register your new remote.

iClicker Technical support
- Contact (866) 209-5698 or via email support@iclicker.com from 9AM-11PM EST, M-F.
- The iClicker website (www.iclicker.com) also has support documentation, video tutorials, and FAQs for students.

Calculator Policy: Graphing calculators are not allowed in this course. You can use the scientific calculator TI-30X II S. This is the calculator that you will get for the test so it will be better for you to get one and get used to using it. No other calculator can be used on a test. There are some parts in few problems in some online assignments that ask for the use of graphing calculator. Please complete the parts that do not require a graphing calculator and disregard those parts that do. You can borrow calculators from us while you are working in the lab.
Graded Component - Participation:

In-class Participation: You are expected to attend all classes.
- In order to provide us (you and me both) with immediate feedback in the classroom, we are using a personal response system called the iClicker. You will be graded on that feedback and/or your in-class participation.
- In general, you will receive 1 pt when you respond to a clicker question but 2 pts if you respond correctly. So paying attention and doing your in-class work will benefit your grade in this course.
- We will be using iClicker in every class and that participation and in-class quiz grade will make up 6% of your total grade.
- Come to class prepared to participate with a functioning remote every day.
- Participate in your Math Gym sessions each week. This is part of your class participation grade – ie think of it as going to class.
- Missing a class does not change the due dates for your MLP assignments. If you have an excused absence with documentation, please contact me via email as soon as possible.

Mastery Math Lab Participation
- You are required to spend at least 3 hours in the lab each week. The week runs Monday through Sunday. You need to complete your lab hour requirement by each Sunday at 6 PM. The time can be continuous or broken into smaller time periods. The total time you spend in the lab will be recorded and if it is smaller than 3 hours = 180 minutes (179 IS smaller than 180), you will get 0 for that period. Again, lab participation makes up 7% of your grade in this course.
- The hours you spend in the lab do not “roll over” to the next period. If you spend 5 hours in one week, you still have to spend a minimum of 3 hours in the next week. There is also no partial credit for earning less than required 3 hours
- When a time period contains a holiday, the minimum number of required hours is still 3 unless notified by faculty.
- You are responsible for tracking your own hours. You will know how much time you've spent in each visit. Keep a record of your hours in your notebook.
- You need to sign out whenever you leave the lab.
- Lab hours are Monday through Friday, 8 am - 8 pm and Sunday, 1-6pm.
- There is no food or drink allowed in the lab.
Graded Component – Homework:

**Homework.**
- MLP weekly homework assignments are due on Saturdays by 11:59 PM (see the schedule) **Late submissions will not be accepted** under any circumstances, so please plan accordingly.
- You must get an 80% on the homework to proceed to the quiz. But…get the 100%. We will take many questions for the quizzes from the tail end of the homework!
- A grade of 0 on a MLP homework will be assigned if you did not attempt that assignment before the deadline – and you will not be able to take the quiz! Start the homework early!
- Homework assignments can be attempted an infinite number of times up until the closing date.
- At the end of the semester, the homework with the lowest grade will be dropped.
Graded Component – Quizzes:

MyLabsPlus (MLP Quizzes)
- MLP weekly Quizzes are due by 11:59 PM on Sundays (see the schedule for topics). Late submissions will not be accepted under any circumstances, so please plan accordingly.
- A grade of 0 on a MLP quiz will be assigned if you did not attempt that assignment before the deadline
- To take a MLP quiz you have to complete associated homework assignment with a score of 80% or more. If you do not score at least 80% on the homework, you will not be able to take the associated quiz and therefore you will receive a 0% on that quiz.
- The MLP quizzes are designed to help you prepare for a test. Take the quiz with these conditions in mind. The quiz will be timed. You can take each quiz twice and only the highest score will be recorded.
- At the end of the semester, the quiz with the lowest grade will be dropped.

In-Class
- There will be daily In-class quizzes.
- The quiz will be based on work done in class that day and will target challenging topics.
- Responses to In-classes quizzes will be recorded using the iClicker. In-class quizzes are a separate grade from the participation points that you will receive using the iClickers during class.
- If your iClicker is not registered properly then you will be getting 0’s on the quizzes even when you are in class. This is because the iClicker is recording info by the serial number and not your PID. Pay attention to your grades and follow-up with your professor if you seem to be getting a lower grade on quizzes than you expect.
Graded Component – Tests:

Preparation for the tests:
- Make sure that you understand what you’re doing on your homework and quizzes. They are meant to prepare you for the tests!
- If you are relying on the “Help Me Solve This” function of MLP to do all of your work or you are trying to memorize the steps based on what a problem “looks like”, then you are not ready to take a quiz! Get help from a faculty or an LA so that you can understand why the steps work to get you the answer!
- Notice what your fellow students have to say about the quizzes in this course!

7. Do you agree or disagree that homework and quizzes are good preparation for the exams?

![Survey Results]

Excerpt from results of anonymous student survey given in Spring 2014 for the MAC 1105 and MAT 1033 students using the Mastery Math Lab.

Taking the Test:
- You must take the test during the time you registered for. All tests will be taken in GL 263.
- There will be four 70 minute tests.
- You will be provided with a TI-30X II S calculator.
- They will be available in MyLabsPlus, so you must have access to the site, your login information and your Panther ID card.
- All your personal items will have to be stored in a book-bag and placed under the desk. You may not access your phone at any time once you enter the lab.
- The testing schedule is listed in the Weekly Class Schedule and you will be able to register up to one week in advance. See below.

Scheduling a test:
- Approximately a week prior to each test, you will be able to choose, using a dedicated website, a 90 minute period in which to take the exam.
- To access the scheduling website click on “Schedule a Test” on the left panel in MylabsPlus.
- All tests must be scheduled during this designated time period. You can change your reservation during this time period, but once this period has ended, no changes will be allowed.
- If you do not schedule your test, you will receive a 0 for that test.
- It is your responsibility to make sure that the registration for a test was successful. You are not registered for an exam unless, when you log in into the scheduling website, you see your reservation listed under “Check reservation”.
- You will receive an email confirmation of this registration. It is a good idea to print that out and bring it with you to the test.
Graded Component - Final Exam:
- There will be a comprehensive 100 minute final exam.
- Your final exam will be scheduled and taken in the GL 263 lab.
- However, if the available final exam times conflict with other exams, send an email to your instructor so that we can make alternative arrangements.

Final Exam Policy: If you have taken all four exams (or you have missed one examine due to an excused absence), the final exam will replace your lowest test grade as long as it is beneficial to your overall grade. You may not replace more than one test grade with the final. Note that this means your final exam grade has substantially more impact on your overall result in the class (almost 40% of your overall grade).

Travel plans are not an excused absence. Check the Schedule now and make sure you know when your tests are!
Grading policy:
Your final grade will be assigned according to the following scale.

<table>
<thead>
<tr>
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<tr>
<td>A</td>
<td>93 - 100</td>
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<tr>
<td>A-</td>
<td>89 - 92</td>
</tr>
<tr>
<td>B</td>
<td>86 - 88</td>
</tr>
<tr>
<td>B-</td>
<td>83 - 85</td>
</tr>
<tr>
<td>C</td>
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<td>70 - 74</td>
</tr>
<tr>
<td>D</td>
<td>60 - 64</td>
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<tr>
<td>D+</td>
<td>55 - 59</td>
</tr>
<tr>
<td>F</td>
<td>0 - 54</td>
</tr>
</tbody>
</table>

Students that register for class but never attend or submit an assignment and do not drop the course will receive a grade of F0.

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Make-up Policy: There will be no make-up tests. If you miss a test due to illness or other emergency and provide documentation, your final exam will count in place of the missed test. There will be no make-ups for MLP assignments. Personal travel plans are not a valid reason for missing a test. University related absences that require special scheduling must be arranged one week prior to the test.

Final Exam Policy: If you have taken all four exams (or you have missed one examine due to an excused absence), the final exam will replace your lowest test grade as long as it is beneficial to your overall grade. You may not replace more than one test grade with the final. Note that this means your final exam grade has substantially more impact on your overall result in the class (almost 40% of your overall grade).

Incomplete Grade Policy: The incomplete grade (IN) is given to a student who has substantially completed most of the course (60% of the course and is passing at the time) but is unable to finish an exam or another assignment because of circumstances beyond the student's control. An incomplete grade must be made up within two semesters. There is no extension of the two semester deadline. The student must not register again for the course to make up the incomplete. Every incomplete grade must be approved by the Mathematics Department. An IN grade cannot be given if it is necessary for the student to repeat the course.

Drop Date: The last day to drop a course is Monday, November 3rd, 2014.

Note: FIU does not automatically drop students that stop coming to class after the drop/add period!

Academic Misconduct: Includes (but is not limited to) giving or receiving assistance on a test, quiz, or homework assignment for which such assistance is not permitted, falsifying a document to obtain an excusal from a test, using unauthorized notes on a test or quiz and using unauthorized calculator. A more complete definition of Academic Misconduct is given in the Student Handbook. Penalties for Academic Misconduct range from an F in the course to expulsion from the University.

Academic Misconduct Specific to MAC 1105
- Using another student’s iClicker in class or having someone use your iClicker for you
- Leaving the lab without signing out
• Signing into the lab with a Panther ID that is not your own or having someone sign you in when you are not present
• Accessing your cell phone during a test or while others are taking a test.
Mastery Math Lab and Classroom Policy:

Student conduct which disrupts the learning process may lead to disciplinary action and/or removal from class or lab.

Lab

- To access the lab, you must have your Panther Card. It will be used to sign-in and out of the lab, recording your lab hours.
- While in the lab, you are expected to be actively working on your MLP assignments. This is a part of your participation grade for the course….so you need to participate! **You may not work on work for other classes.**
- No food or drink is allowed in the lab. None. Zip. Zero. Nada. Nothing – not even water. If you are hungry or need a coffee boost, take a break! It will be good for your brain anyway.
- Like on an airplane, all electronic devices must be turned off and stowed away. There is a hook under the desk for your things.
- Disregarding lab policy or being disruptive in the lab will result in a 0 for your lab hours for that week, even if all required hours have been completed.
- Please remember that the lab will be opened Monday through Friday, 8 am - 8 pm and Sunday, 1-6pm. It might happen that you will have to wait before a computer becomes available. Please plan accordingly. Do not wait until the last day to complete your lab hours. Log onto MasteryMath.fiu.edu or follow us on Twitter, @MathLabFIU, to get regular updates on lab capacity.
- Please bring your math notebook if you plan to work on your homework. Take notes for future reference. If you plan to take a quiz, use a clean sheet of paper.
- **Listening to music.** Although all the research tells us that listening to music while working is bad (see the work of Richard Meyer for clinical studies on this), we know that many of you feel the need to do so. We have allowed access to the personalizable radio website Pandora and Spotify. You may bring earphones and access these sites. You will not be allowed to access your own personal electronic devices (unfortunately we tried this and students took advantage of that privilege so we have found a reasonable compromise).

Classroom

- Come prepared to the class and be on time (remember you will be taking quizzes!)
- Electronic devices such as cell phones, iPods, and computers must be turned off and put away during class.

Communicating:

**E-mail:** During the semester, you will receive several important messages from your instructor. All communication will be sent to you Panthermail (FIU email account). So...check that email daily. Major announcements will also be posted on the Mastery Math Lab website MasteryMath.fiu.edu.

**Social Media**

- People learn best when communicating their ideas. Take advantage of our social media sites to get help, share your aha moment, or let people in on your study plan for getting an A in the class.
- Use your discretion when posting and/or sending emails. These are FIU accounts and part of the course (similar to Blackboard or Moodle).

**Twitter:** We will tweet regular updates (@MathLabFIU) about the lab capacity.

**Writing to Faculty:** In order to ensure effective communication with your instructor, please include in the subject line the following: Course and section number, your first and last name, and an identifying topic. Remember, while you may have 5 or maybe 6 instructors in a semester, your instructors have 300 - 500 or more students each semester. Clear, professional emails will generally bring resolution more quickly. It is a good idea to reread before you send.
**Tips for Being Successful:**

- Schedule time for each thing you need to do every week
  - Read the text, take notes, and try some problems (you may not get it but at least you will be ready to ask questions)
  - Go to class
  - Go to math gym
  - Do homework
  - Take Quiz

- Keep your notebook organized by Chapter (or better yet Topic).
- Know what the learning objectives are for each topic.
- Use your resources! Textbook, class notes, topic videos and, most of all, your Instructors and Learning Assistants.
- Before class — read and try some examples, view the powerpoints or watch the videos, have questions about things you do not understand. You are the one that needs to acquire the knowledge. It cannot be given to you!
- Form a study group and then work as a group (not just 4 people doing their own homework sitting next to each other). Research indicates that this is one of the most effective ways to learn.
- Use your schedule of topics — try to connect ideas from the last class to the new topics. This will help you tie the content together. That will help you recall things when you take a quiz or test.
- Look at the Study Plan in MyLabsPlus. Get help figuring out where you went wrong
- Use the LAs! They are not just good at math they are good at helping you learn math. Take advantage of Math Gym sessions.

- Do your work in an organized fashion. Set-up problems neatly and write down the steps line by line. Trying to keep the steps in your head is the best way to mess up!
What is Algebra?
You probably do algebra every day.

- Figuring out how long it will take you to get to FIU when traffic has slowed to 20 mph
- Determining if you are better off buying an unlimited phone plan or one with 900 anytime minutes and unlimited texts
- Drawing conclusions about the long term value of a college education on a data plot

Generally, when we do algebra in our everyday lives, it is “in our head” and we do not communicate the processing that we do – just the answers. However, we’re still using algebra as a way to figure out the unknown.

Algebra is the thing that allows us to
- do these calculations multiple times with different numbers
- generalize the process (that is where all the letters come from – they represent numbers that we don’t yet know)
- communicate it efficiently to others
- have a clear and consistent means of describing the relationships and the processes

Algebra has been refined and formalized for over a thousand years, but it is essentially a language used to describe relationships between and actions on quantities.

In this course we will learn the formalized form of this language, using technology so that you can practice the necessary skills and get feedback so you know where to focus your study time.
<table>
<thead>
<tr>
<th>Week 1</th>
<th>8/25</th>
<th>R2, R4, R5, R7, R8</th>
<th>Numbers and Number Line, Absolute Value, Interval Notation, Polynomials and Operations on Polynomials, Rational Expressions</th>
<th>HW 1: 8/30 Quiz 1: 8/31</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 2</td>
<td>9/1</td>
<td>Monday Labor Day Wednesday class: 1.1, 1.2, 1.3</td>
<td>Exponents, Solving Linear and Quadratic Equations, Complex Numbers</td>
<td>HW 2: 9/6 Quiz 2: 9/7</td>
</tr>
<tr>
<td>Week 3</td>
<td>9/8</td>
<td>Monday 1.4, 1.5</td>
<td>Solving Radical Equations, Equations Quadratic in Form and Factorable Equations, Solving Linear Inequalities</td>
<td>HW 3: 9/13 Quiz 3: 9/14 <strong>Scheduling period for Test 1 (9/8 - 9/11, 11:59pm)</strong></td>
</tr>
<tr>
<td>Week 4</td>
<td>9/15</td>
<td><strong>Monday/Tuesday Test 1</strong> Wednesday class: 2.1, 2.2</td>
<td>Coordinate System, Distance and Midpoint Formulas, Graphs Of Equations, Intercepts and Symmetry</td>
<td>Test 1: 9/15 - 9/16 Test 1 Review Quiz: 9/16 midnight HW 4: 9/20 Quiz 4: 9/21</td>
</tr>
<tr>
<td>Week 5</td>
<td>9/22</td>
<td>2.3, 2.4</td>
<td>Slope of the Line, Parallel and Perpendicular Lines, Circles</td>
<td>HW 5: 9/27 Quiz 5: 9/28</td>
</tr>
<tr>
<td>Week 6</td>
<td>9/29</td>
<td>3.1, 3.2</td>
<td>Functions, Domain and Range, Functional Notation, Find Sum Difference, Product and Quotient of Functions and Graphs of Functions</td>
<td>HW 6: 10/4 Quiz 6: 10/5</td>
</tr>
<tr>
<td>Week 7</td>
<td>10/6</td>
<td>3.3, 3.4</td>
<td>Properties of Functions, Library of Functions, Piecewise Functions</td>
<td>HW 7: 10/11 Quiz 7: 10/12</td>
</tr>
<tr>
<td>Week 8</td>
<td>10/13</td>
<td>3.5, 3.6</td>
<td>Graphing Techniques (Shifting, Compressing, Reflecting), Constructing Functions-Mathematical Models</td>
<td>HW 8: 10/18 Quiz 8: 10/19 <strong>Scheduling period for Test 2 (10/13 – 10/16, 11:59pm)</strong></td>
</tr>
<tr>
<td>Week 9</td>
<td>10/20</td>
<td><strong>Monday/Tuesday Test 2</strong> Wednesday class: 4.3, 4.4</td>
<td>Quadratic functions and Their Graphs, Mathematical Models</td>
<td>Test 2: 10/20 – 10/21 Test 2 Review Quiz: 10/21 midnight HW 9: 10/25 Quiz 9: 10/26</td>
</tr>
<tr>
<td>Fall 2014</td>
<td>Week Starting</td>
<td>Sections</td>
<td>Topics for Test 3 and Test 4 plus Final Exam</td>
<td>Last day to complete MLP assignments (Homework and Quizzes)</td>
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</table>
| Week 9 Repeated from previous table | 10/20 | Monday/Tuesday Test 2  
Wednesday class: 4.3, 4.4 | Quadratic functions and Their Graphs, Mathematical Models | Test 2: 10/21 – 10/21  
Test 2 Review Quiz: 10/21 midnight  
HW 9: 10/25  
Quiz 9: 10/26 |
| Week 10 | 10/27 | 4.5, 5.4 | Solving Polynomial and Rational Inequalities | HW 10: 11/1  
Quiz 10: 11/2 |
| Week 11 | 11/3 | 5.2, 5.3 | Rational Functions: Domain, Asymptotes, and Graph | HW 11: 11/8  
Quiz 11: 11/9  
Scheduling period for Test 3  
(11/3 – 11/6, 11:59pm) |
| Week 12 | 11/10 | Monday/Wednesday Test 3  
Wednesday class: 6.1, 6.2 | Composition of Functions, One-to-one Functions, Inverse Functions | Test 3: 11/10 & 11/12  
Test 3 Review Quiz: 11/12 midnight  
HW 12: 11/15  
Quiz 12: 11/16 |
| Week 13 | 11/17 | 6.3, 6.4 | Exponential Functions, Logarithmic Functions | HW 13: 11/22  
Quiz 13: 11/23 |
| Week 14 | 11/24 | 6.5, 6.6 | Properties of Logarithms, Solving Exponential and Logarithmic Equations | HW 14: 11/29  
Quiz 14: 11/30  
Scheduling period for Test 4  
(11/24 – 11/27, 11:59pm) |
| Week 15 | 12/1 | Monday/Tuesday Test 4  
Wednesday class: 12.1, 12.6 | Systems of Linear and Nonlinear Equations | Test 4: 12/1 – 12/2  
Test 4 Review Quiz: 12/2 midnight  
HW 15: 12/6  
Quiz 15: 12/7 |
| Week 16 | 12/8 | Finals Week | Final Exam: Comprehensive (Scheduled TBA) | Final Exam Review Quiz: 12/12 |