Course Description: This is a 5-unit course in pre-calculus algebra and trigonometry, for students who have passed Math 104 and Math 106 (or 106R) with a C or better or have a qualifying score on the placement exam and proof of geometry and algebra II. This is an intensive course covering those topics traditionally found in the separate courses of pre-calculus algebra and trigonometry. This course is a preparation for calculus covering polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs as well as additional topics in analytic geometry. This course is transferable to the UC and CSU systems.

Student Learning Outcomes:
1. Evaluate a function, and determine the characteristics of a function, represented graphically, symbolically, or numerically, including determining the domain and range, the intervals on which the function is increasing or decreasing, where optimal values occur, and long-term behavior.
2. Solve polynomial, rational, radical, exponential, logarithmic and trigonometric equations.

Course Materials: The textbook is optional, but access to MyMathLab is required. Here are your choices:
You can purchase access online to MyMathLab and it comes with an electronic textbook OR
You can buy the textbook “Precalculus” by Sullivan & Sullivan, 2nd Edition, along with a MyMathLab access code from the bookstore.

The website for MyMathLab is http://mymathlab.com and the course ID to use to register in MyMathLab for our course is weiss55735.

Calculator: A graphing calculator is required. I recommend the TI-84 or TI-83+. The calculator you use on exams cannot contain a computer algebra system (CAS), so you cannot use a TI-89 or models with similar features, such as the TI-Nspire CX CAS.

Office Hours: I am available at these times to help you with your coursework, so please drop by or call whenever you have questions or want to talk to me about the class. No appointment is needed for these times; other times to meet can also be arranged.

MTWTh 8:30–9am SM 3B
Tuesdays 12:45–2pm Math Resource Center

COURSE REQUIREMENTS AND GRADES

HOMEWORK:
• You will be doing your homework using an online system called MyMathLab. This is a tool that gives instant feedback by checking your answers and gives extra help, examples and practice to ensure you know how to do each type of problem.
• Homework will be graded for completeness and correctness. To get full credit for the homework, you must submit it online AND show me satisfactory work on paper before the next exam. Your work must be labeled and well organized, not just scratch paper. I recommend that you keep it in a notebook and label each homework section as you do it.
• You will receive a penalty (10% off per day late) on MyMathLab problems submitted late. Lateness will be excused only with a note from your doctor, an officer of the court or an equivalent authority.
EXAMS: There will be 4 exams, all on Thursdays. The dates are September 19, October 10, October 31, and November 21. There are no makeups or retests. If you miss one exam with a valid excuse, you will be allowed to replace that exam score with your final exam score.

FINAL EXAM: The cumulative final will be Wednesday, Dec. 11, 9:40-11:40 am.

COURSE GRADE: Your course grade will be a weighted average:

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Exams</td>
<td>60%</td>
</tr>
<tr>
<td>Online Homework</td>
<td>10%</td>
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<tr>
<td>Written homework</td>
<td>10%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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</tbody>
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GRADE SCALE:

- A 90-100%
- B 80-89%
- C 70-79%
- D 60-69%
- F 0-59%

ANGEL: Updates on your grades will be posted on the Angel website [http://wvmccd.angellearning.com](http://wvmccd.angellearning.com). Go to the Report tab, set the Category to Grades, then hit Run. Be sure to log into Angel regularly to check on your progress and to see course announcements and handouts (like exam review & solutions) that you might find helpful.

IF YOU NEED HELP: If you are having trouble with the course material, please come see me right away. If you want to explore getting help from other sources on campus, the Math Resource Center (Room SM 5) and Tutorial Services (behind the library) are staffed by a combination of faculty and student tutors for free drop-in help. To use the Math Resource Center, you must register for the free (0 units) class LS110M, Section 28777.

Many students find it helpful to become part of a study group, working together on homework problems and exam preparation. You can meet in the Math Resource Center whenever it is open and group study rooms are also available in the campus library.

DROPPING THE COURSE: It is your responsibility to withdraw by notifying the Office of Admissions and Records. If you do not drop by the deadline (November 15), you may receive a failing grade in the course, even if you have stopped attending.

ATTENDANCE & BEHAVIOR: I expect you to come to class regularly, to arrive on time and to stay until class is dismissed. You may be dropped for missing 2 weeks of class sessions if you do not contact me to explain your absences. Remain focused on coursework, participate actively in course-related discussions and group work, and show maturity and respect for others in your words and actions. Cheating will not be tolerated and will result in a 0% score. Phones must be set to silent mode during class and must be turned off during exams. No texting during class.

STUDENTS WITH DISABILITIES: West Valley College makes reasonable accommodations for persons with documented learning or physical disabilities. Students should notify the Disability and Educational Support Program (DESP) at (408) 741-2010 (voice) or (408) 741-2658 (TTY) of any special needs (for extended test time, etc.) as soon as possible and also please let me know if I am to send your exams to DESP.

SAFETY ISSUES: In the event of an emergency or drill, such as for a fire or earthquake, listen for instructions from your instructor.