

**Maybeck High School**  
**Vladimir A. Duran**  
**Precalculus Syllabus September 15, 2010**

**Grading percentages:**

Homework and Quizzes 15-20% 15%

Math Labs 8%

Exams 77%

**Homework** will be assigned most days (likely more than 90% of the time). It will be important for you to try to work problems out on your own. I will allow time at the start of most class periods to review the most difficult problems from the previous assignment.

**Quizzes** will not be announced. If you miss a quiz you will not be able to make it up. If your absence is excused it won't count against your grade.

**Class Activities** will require you to work cooperatively with your classmates and will involve your ability to support your classmate's learning process.

**Chapter Exams** will be scheduled within a week of finishing a chapter. You will have the opportunity to take a new test on a chapter for which you receive a low score, up until the date that the next Chapter Exam is scheduled. The "Retake" Exam may cover more or different material from the chapter. You will receive the grade on the Retake for your first two times a semester. After that your grade, will be reduced by 10%. I may refuse you the opportunity to retake a chapter Exam if you have not worked with me outside of class during office hours, math lab or at some other time. The **Final Exam** will test your accumulated knowledge of all the material we cover over the semester. The spring exam will cover the whole year.

**Materials and Tools:**

Pen or pencil will both be fine. Paper, including graph paper, could be needed at any time; please have some on hand for every class. We will explore the material both with and without the aid of technology. Maybeck requires you to have a TI-83 or TI-84 graphing calculator. If you are very comfortable with a similar calculator you may use it on your own but you will still need a TI-83 or TI-84 graphing calculator to succeed in this class.

**Curriculum:**

Each Chapter will take us about two to three weeks to cover. If all goes well we will cover the first six chapters this semester.

**Late Policy:**

Each Semester, you will be granted 5 late assignments without consequence. A late voucher must be handed in at the point the homework is due. These assignments must be turned in within 3 school days of their due date to avoid credit being reduced. All other late assignments will count for 50% of credit up until five school days after the homework is due or the date of the chapter test. Which ever comes first. No homework will earn credit after the test for the chapter it is from.

Our Text: **Precalculus: Graphical, Numerical, Algebraic 7th edition** by Demana, Waits, Foley and Kennedy published by Pearson Addison-Wesley. I hope to cover the whole book.

**Chapter 1** Functions and Graphs

**Chapter 2** Polynomial, Power and Rational Functions

**Chapter 3** Exponential, Logistic and Logarithmic Functions

**Chapter 4** Trigonometric Functions

**Chapter 5** Analytic Trigonometry

**Chapter 6** Applications of Trigonometry

**Chapter 7** Systems and Matrices

**Chapter 8** Analytic Geometry in Two and Three Dimensions

**Chapter 9** Discrete Mathematics

**Chapter 10** An Introduction to Calculus: Limits, Derivatives and Integrals