DESCRIPTION

Pre-Calculus 11 is an advanced high school mathematics course. Students who select Pre-Calculus 11 should have a solid understanding of the Mathematics 11 curriculum. Pre-Calculus 11 is a prerequisite for Pre-Calculus 12. These courses are to be taken consecutively, not concurrently.

Topics of study include: absolute value functions and equations, radical expressions and equations, rational expressions and equations, angles in standard position, quadratic functions and equations, linear and quadratic systems, arithmetic and geometric sequences and series, and reciprocal functions.

Sequences and Series (10%): Sequences and Series (Chapter 1)
Relations and Functions (40%): Quadratic Functions, Quadratic Equations, Systems of Equations (Ch. 3,4,8,9)
Algebra and Number (30%): Radical Expressions, Radical Equations, Rational Expressions, Rational Equations, Absolute Value Functions, Absolute Value Equations (Chapters 5,6,7)
Trigonometry (20%): Angles in Standard Position, Trig Ratios of any Angle (Ch. 2 plus 4.1 and 4.2 from PC12)

MATERIALS

loose leaf, graph paper, course binder, pencils and eraser, ruler, scientific or graphing calculator

TEXT

Pre-Calculus 11 (McGraw-Hill Ryerson)

ASSESSMENT

Exam: The final exam will be based on the entire semester and is worth 20% of the final grade. There are no exemptions permitted for Pre-Calculus 11.

Tests: Tests are major formal assessments and will be announced several days in advance. Expect one or more tests per unit. Tests may be cumulative throughout the year.

Quizzes: Quizzes provide opportunities to formally assess ongoing progress and give indications as to whether extra help is needed. Quizzes are generally short and will be announced in advance.

Assignments: Assignments may be in-class or take-home, individual or group effort, as indicated by your teacher. Students can use their notes/texts to complete these informal assessments. For take-home assignments, submissions will not be accepted after the corrected assignments have been handed back to students.

Homework Probes: Homework probes are short informal assessments on recent work. Notes will not be permitted for homework probes since questions are directly based on assigned homework. Students must be sure to keep up with their work on a daily basis and come in for extra help when needed. Don't hesitate to ask questions when you need help. See your teacher to arrange extra help.

Note: Marks throughout the semester will adhere to these proportions:

Tests and Quizzes	50%
Assignments and Homework Probes	50%

**   Absence from an assessment will require a written excuse from a parent or guardian within three days. Failure to do so will result in a mark of zero for that assessment. You will be expected to make up missed tests upon your return to class.

If you are absent from class, it is your responsibility to catch up on any missed work. Check the class website, ask classmates for notes, and see your teacher to get any handouts. Any assignments due during your absence will be due at the beginning of class on the day you return (provided a note excusing your absence has been presented to your teacher).

Graphing calculators will be provided for use during class and on tests. You should have access to a calculator at home for homework completion. You can use your own scientific or graphing calculator in class and on assessments if you choose.