

Pre-Calculus 11

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About the Course

Pre-Calculus 11 is designed to provide students with mathematical understandings and critical thinking skills identified for post-secondary studies involving theoretical calculus, mainly the Sciences and Engineering. Topics in this course include Sequences & Series, Absolute Value & Radicals, Solving Quadratic Equations, Analyzing Quadratic Functions, Graphing Inequalities & Systems of Equations, Trigonometry, Rational Expressions & Equations and Absolute Value & Reciprocal Functions. At the end of this course, students are prepared for Pre-Calculus 12 and will be able to use this course for admission into University Arts.

Course Materials

- Pearson Pre-Calculus 11 Workbook
- Graphing calculator is a must! (TI-83 or TI-84). Certain calculators will NOT be allowed in class (e.g., TI-86).

Attendance

Attendance is crucial if students expect to be successful in this class. If a student misses a class, regardless of the reason, they should expect it to have some impact on their academic achievement. **Lectures and solutions are posted on the VSS Moodle site and students have access to these at any time.**

Learning Evidence

Each unit students will receive a package which states the material they need to complete. The package will have the fill-in-the-blank notes, assignments, quizzes and tests.

Course Evaluation

Grades will be calculated according to the following three curriculum organizers set by the Ministry of Education.

Curriculum Organizer	Workbook Chapter	Percentage
Algebra & Number	Unit 2 – Absolute Value & Radicals (15%)	30%
	Unit 7 – Rational Expressions Equations (15%)	
Trigonometry	Unit 6 – Trigonometry (15%)	15%
Relations & Functions	Unit 1 – Sequences & Series (10%)	55%
	Unit 3 – Solving Quadratic Equations (10%)	
	Unit 4 – Analyzing Quadratic Functions (10%)	
	Unit 5 – Graphing Inequalities & Systems of Eq. (15%)	
	Unit 8 – Absolute Value & Reciprocal Functions (10%)	

- We will proceed through the Course Workbook in numerical order
- Unit Tests and Quizzes will make up 90% of the class mark. The remaining 10% will come from completed notes, assignments and homework.
- Final Grades will be calculated using 80% class mark and 10% from each of two Cumulative Exams.