

Foundations of Mathematics and

Pre-Calculus 10

Course Overview:

This course is designed for students who intend to enroll in Pre-Calculus 11 or Foundations of Mathematics 11 courses.

This course will introduce students to the notion of functions, will treat in depth linear functions, and will expose students to more advanced mathematics related to exponents and trigonometry. Students will also be introduced to some topics related to financial literacy.

To be successful in this course, students need a strong background in Algebra and Arithmetic, good mental calculation skills, strong work habits, and good reading skills. Since this course is part of the graduation program, parents' involvement in their children's progress through the course is strongly encouraged.

Intended topics of the course:

1. Real Numbers, Exponents' Laws
2. Polynomials
3. Right Triangle Trigonometry
4. Functions
5. Linear Functions
6. Systems of Linear Equations
7. Financial Literacy
8. Arithmetic Sequences