

Pre-Calculus 11

Course Overview:

This course is designed for students who intend to attend post-secondary education institutions in fields such as Engineering, Sciences, Computer Sciences and others, where the study of Calculus is a requisite. Students who successfully complete this course are advised to enroll in Precalculus 12 course. The course will provide the students with some of the mathematical tools needed for the study of Pre-Calculus 12 and implicitly of Calculus.

During the course, students will experience intense problem solving processes as well as extensive algebraic manipulation of mathematical expressions. Students will be encouraged to work in small groups as well as individually on their assignments.

To be successful in this course, students need a strong background in Algebra and Trigonometry, good reading skills, as well as the will to spend 45 minutes to an hour a day on individual study at home.

Intended topics of the course:

1. Real Numbers/Radicals
2. Quadratic Functions
3. Quadratic and Radical Equations
4. Systems of Equations
5. Trigonometry
6. Polynomials
7. Rational Expressions and Equations
8. Financial Literacy