



Foundation of Math and Pre-Calculus 10

Course Outline

Course Overview

This course is an important stepping-stone to the Foundations of Mathematics 11 and 12 and/or Pre-calculus 11 and 12 math courses that you will have the option of taking in Grades 11, and 12. Pre-calculus courses are geared towards students who will go into post-secondary programs that require calculus, such as science and engineering. Foundations of Mathematics courses contain math that can also be useful to pre-calculus students, but is geared more towards students who will go into future educational programs that do not require calculus.

Course Content and Suggested Timelines

The suggested timeline is for students aiming to complete the course in one semester (5 months). Double the timeframes for two semesters (10 months).

Course consists of 8 modules. Each module consists of recorded lessons with associated worksheets for practice. At the end of each module there is a Practice Quiz so students can check knowledge. Each module should take approximately 2 weeks.

Module 1- Measurement (3 lessons)

Module 2 - Volume/Surface Area (7 lessons)

Module 3 – Algebra/Number (10 lessons)

Module 4- Polynomials and Factoring (9 lessons)

Module 5 – Relations and Functions (9 lessons)

Module 6- Graphing/Systems of Equations (8 lessons)

Module 7 – Trigonometry (8 lessons)

Module 8- Review (7 lessons)

Course Materials

No textbook is needed. Course content is delivered by videos and associated worksheets.

Assessment Information

Submission Pages	20% of course
Quizzes	80% of course

Submissions: (20%)

At the end of each module you will be required to complete (and send to teacher) a Submission page covering topic learned in the module. Questions may also cover topics covered in earlier modules. You

should complete the Submission unassisted by referring to the recordings and worksheets completed. You may use formula sheets and calculator. Mark earned must be at least 12/20 to continue on to the module quiz. If mark is below 12/20 you will be required to redo and resend until mark is at least 12/20. However, I am required to keep your original mark, so care must be taken with first Submission. With ample worksheets questions and the Practice Quiz at the end of the module, you should be well prepared to successfully complete the Submission page. Once received (ie uploaded following instructions provided), work will be marked within 48 hours.

Module Tests: (80%)

There are eight unit tests in this course. All quizzes are completed online (formula sheets and calculator permitted). **Modules 4 and 8 quizzes MUST be INVIGILATED by an EBUS approved invigilator.** Please **contact me AT LEAST 1 week prior** to when you want to write your midterm exam.

Quizzes and and Invigilated Modules 4 and 8 quizzes:

Quizzes can be taken at home with parent or other adult supervision. Invigilated quizzes need to be supervised by EBUS approved invigilators. Information can be found on the math website. Mark on final Quiz 8 should be within 25% of overall mark up to that date.

When students are not meeting the learning outcomes/ falling behind

Students and parents/guardians will receive a Progress Report every Friday. Report will be up-to-date and will show work completed and current marks

Students are expected to let the course teacher know when they are struggling with course content. In response, the course teacher will provide appropriate help or strategies to support learning. The course teacher will also provide feedback on course work to support learning and help students improve.

Expectations

- Adhere to the EBUS Academic Integrity Policy
- Contact your teacher when help is needed
- Review feedback from assignments and tests, where applicable
- Work to complete the course in a timely manner
- Communicate respectfully
- Review weekly progress reports

Reporting to Parents:

Student/Parents/Guardians will receive a weekly report every Friday showing work completed and marks. There are 4 term report cards that can be downloaded from the student dashboard. A notice will go out when these report cards are available.

Contacting Your Teacher:

Your teacher will be available Monday to Friday during regular school hours (8:45am – 3:15pm). If you are having trouble with any concepts, please EMAIL your teacher right away!

at

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