

# **MATH 10 C** **COURSE OUTLINE**

**Instructor:** Mr. T. Bailey

**School Phone:** 246-4771

**Text:** Foundations and Pre-calculus Mathematics 10 (Replacement cost \$83.50)

## **Objectives of the Course:**

The combined course (Mathematics 10C) is the starting point for the “-1” course sequence and the “-2” course sequence. Each topic area requires that students develop a conceptual knowledge base and skill set that will be useful to whatever course sequence they have chosen. The topics covered within a course sequence are meant to build upon previous knowledge and to progress from simple to more complex conceptual understandings. (taken from <http://education.alberta.ca/media/655889/math10to12.pdf>)

## **Topics of Study:**

Topics of study include: Trigonometry (2 weeks), Factors and Products (2.5 weeks), Roots and Powers (2 weeks), Relations and Functions (2 weeks), Linear Functions (2 weeks), Systems of Linear Equations (2 weeks), and Measurement (1.5 weeks).

## **Evaluation:**

A) Formative Assessment (not weighted for marks) may include:

- Quizzes
- Assignments
- Reviews
- Practice tests/Pre-tests

B) Summative Assessment:

- |                                  |     |
|----------------------------------|-----|
| • Exams (chapter, midterm, etc.) | 70% |
| • Portfolio*                     | 10% |
| • Final Exam (comprehensive)     | 20% |

Total =       -----  
100%

\*The portfolio is a collection of some formative assessments that have been student corrected for errors as assessment for learning.

## **Supplies Needed:**

- notebook/binder, loose-leaf paper, textbook, pencil (recommended), eraser, graphing calculator (TI-84+ CE recommended), graph paper

## **Class Expectations:**

How Will You **RISE** in Math 10C?

**R – Responsibility** - At all times, you are responsible for your own effort, attitude and how you interact with others. Always treat classmates, staff, and our learning space with respect.

**I – Integrity** - Be someone who is worthy of trust and admiration.  
Work submitted as your own must be created entirely by you.  
Credit others where credit is due: this includes citing information used in your work and also crediting and thanking those who help you on your way.

**S – Strength** - One of the best ways to learn is to fail. Embrace this, learn, and try again.  
This building is full of caring people. Seek help and support when you need it – from friends, teachers, and counsellors.  
Understand that we all experience stress and problems. How we deal with them and overcome them demonstrates strength in our character.

**E – Excellence** - Excellence can never be achieved without a foundation of responsibility, integrity, and strength.  
Excellence is PERSONAL excellence. Your personal excellence may look very different than another person. Set realistic goals and strive to meet them.

Note: Class time is set aside for you to complete assignments so that you have less homework in the evening. Also, this is the best time to ask questions that you may have while working on the assignment. It is to your advantage that you use this time wisely. Cell phones are not welcome in my classroom environment and you are asked to leave these in your lockers. Visiting with friends during class time is not acceptable. If you are experiencing difficulties, please book into Focus block for Math 10C.

## **Procedures when Absent:**

- From a regular class: You are responsible to obtain missed notes from another student or check the Moodle page for the day's notes.
- From a chapter exam: if the absence is excused, you will be required to write the exam at the earliest possible date.