PRE-CALCULUS 11

2017-2018 Course Outline

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**Course Information**

Pre-Calculus 11 is a challenging course that is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus.   
It is strongly recommended that students taking this course have at least a final mark of *67%* in Foundations of Mathematics and Pre-Calculus 10.

Topics of Study

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| --- | --- |
| * Quadratic Functions (Ch 3) * Quadratic Equations (Ch 4) * Radical Expressions and Equations (Ch 5) * Rational Expressions and Equations (Ch 6) * Absolute Value and Reciprocal Functions (Ch 7) | * Systems of Equations (Ch 8) * Linear and Quadratic Inequalities (Ch 9) * Trigonometry (Ch 2) * Sequences and Series (Ch 1) * Exponential Functions\* * Financial Literacy\* |

*\* Additional Topics if time permits - New Curriculum Changes*

Course Evaluation

**Term Mark:** 85% Tests \*\*

15% Quizzes, Assignments \*\*

*\*\* Subject to change*

**Final Mark:** 90% Terms 1, 2, and 3 will be weighed equally

10% Final Exam

**Course Materials**

Textbook: *Pre-Calculus 11* – McGraw-Hill Ryerson

Student binder with: Lined paper for notes in a binder

Graph paper

2 dividers (Notes and Homework)

Stationary supplies: pencil, pen, eraser, ruler, highlighter, glue stick

Scientific calculator: with sin, cos, tan buttons, and preferably with fraction button, to be used for enrichment and coursework

Graphing calculator: Optional – useful in analyzing functions and equations

Assignments and Practice

* Each class, you will receive a math assignment (usually some questions from the textbook) that will help you practice and develop understanding.
* For each assignment, write down the *section title, page number, and assigned date.*
* If you do not complete an assignment during class time, you will need to finish it outside of class.
* It is your responsibility to *complete* the assignments, *check your work*, and *ask questions* about anything you don’t understand. Remember, the more you practice, the stronger the neural connections you’ll make!
* This course moves quickly: you cannot put off learning a specific topic and still expect to be able to move on with the next lesson.

Expectations

1. Be **RESPECTFUL** and behave maturely towards everyone in the class.
2. **Work** hard and be **kind**.
3. Keep a **growth mindset**. (Believe in your math abilities!)
4. Keep **cell phones** away unless instructed by the teacher.
5. If you are **absent**, you must bring a valid note from a parent/guardian. Students are expected to check my website ([mkamber.weebly.com](mailto:mkamber@weebly.com)) for details of assigned work and to be up to date on material when they return.
6. **Be prepared** to work with others and for changes in seating.
7. Try your best but ask for **help**. You can make an appointment to see me during lunch or after school. I am usually in my classroom (G206) or in the math/science prep room (A226) outside of class hours.

Absences on the Day of a Test

If you know in advance that you will be absent, please inform me ahead of time. If you are absent on the day of a test, please have your parent/guardian validate your absence by sending me an email ([Micheline.Kamber@sd41.bc.ca](mailto:Micheline.Kamber@sd41.bc.ca)) or leaving me a phone message (604-664-8560) *on the* *day of the test*.

