Foundations of Mathematics 30

Course Outline

Ms. Warnock

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Welcome to Foundations 30! This course is intended to provide students with the mathematical skills necessary for success in many post-secondary programs. This course is less theoretical and deals with concrete mathematical methods that are readily applicable to daily life.

**Course Breakdown**

We will be covering the following topics as per the Saskatchewan curricular outcomes:

1. Investing Money

2. Borrowing Money

3. Set Theory and Logic

4. Counting Methods

5. Probability

6. Polynomial Functions

7. Exponential and Logarithmic Functions

8. Sinusoidal Functions

**Textbook:**

**Materials needed:** Binder, lined paper, graph paper, ruler, pencil, and a Scientific calculator – Make sure your calculator has the following: sin, cos, tan, x2 or ^, EE or EXP, log

**Evaluations:**

**Daily course work** will not be marked but due to the difficulty of this course it is highly recommended that you complete all practice problems to ensure your success. However, you will be required to hand in 1 or 2 specific questions from each chapter assignment as an **exit slip. Practice Tests** will be given as a review for the quiz but will not be a part of the formal evaluation. Unmarked course work will be taken into account if a rewrite of a unit test is requested.

**Kahoot!** We will use Kahoot!, an online quiz game to review daily work and/or practice for exams as a group. You are welcome to use your own device for these sessions or one of the school laptops.

**Marked work:**

**Weekly Quiz** with 2-3 questions will take place every Thursday. They are graded as a 1, 2 or 3 and can be resubmitted with corrections to gain maximum marks.

**Hand in Assignments** will be given out at the beginning of each unit and will be due the day of the unit test

**Unit Tests** will be given at the end of each chapter. Dates will be given well in advance with class time given for review.

**Departmental Exam** will be comprehensive and we will take multiple days to review material

**Marks Distribution**

* Weekly Quizzes – 10%
* Unit Hand in Assignment – 25%
* Unit Tests – 25%
* Departmental Exam – 40%

**\*\***If for some reason you are unable to complete course work on time please come and discuss it with me ahead of time.

\*\* Rewrites of Unit tests may be allowed if the student has demonstrated completion of all chapter assignments as well as a rewrite review assignment.

**Attendance**

Success in school is directly related to your attendance. If you miss a test or quiz you will be required to complete the work as soon as possible either before school, at noon, or after school. Missed work and notes can be found in the “While You were Out” Binder in class or the course website.

**Cell Phones**

Cell phones can be a very helpful tool and at certain times they will be allowed to be used during class. However, you will not be allowed to use a cell phone or similar device during exams so make sure to learn how to use your calculator.

**Help Times**

To Be Determined

For now if you need help please approach me during class worktimes, noon, or right after school.