



## Foundations of Mathematics 12 Course Outline

Mr. Roberts

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Room E514

### Course Description

In Foundations of Mathematics 12 is a course designed primarily for students pursuing post-secondary education that may involve mathematics, but will not require the sophisticated algebraic syntax needed for calculus. Students will continue to build skills and understanding in areas of geometry, finance, probability and functions.

### Materials

- Textbook: Nelson Foundations of Math 12
- Scientific calculator
- Binder with lined paper, pencil, eraser
- MS Teams

### Course Units

1. Combinatorics
2. Probability
3. Geometric Explorations
4. Polynomial Functions
5. Exponential and Logarithmic Functions
6. Sinusoidal Functions
7. Finances

### Course Evaluation

- |                        |     |
|------------------------|-----|
| • Tests & Quizzes      | 60% |
| • Final Exam           | 20% |
| • Assignments/Projects | 20% |

#### Letter Grades:

A:	86-100%	Excellent
B:	73-85%	Very Good
C+:	67-72%	Good
C:	60-66%	Satisfactory
C-:	50-59%	Minimally Acceptable
I:	0 – 49%	Incomplete
F:	0 – 49%	Failed to Complete

## Class Expectations:

- **Keep Up With Work & Meet Due Dates** – This math course contains many concepts that build from previous learning, it can be easy to fall behind. Assignments handed in after work has been returned **will not be marked**, nor will assignments handed in after a unit test.
- **Own Your Own Learning** – Completing practice work is expected and is necessary for success in this course, but it is not sufficient. **Homework is practice.** *It does not matter that you completed your homework, it matters that you understand the concepts and can complete similar questions in the future.* This may mean you need to review and repeat this work to attain mastery.
- **Attend Class** – It's much harder to catch up on missed material than to learn it with everyone else in class. Come to class, and arrive on time so you don't miss any crucial concepts. **IF YOU ARE ABSENT BECAUSE OF AN APPOINTMENT, OR ARE SICK, YOUR GUARDIAN MUST CONTACT THE OFFICE TO EXCUSE THE ABSENCE. UNEXCUSED ABSENCES WILL BE CONSIDERED SKIPPING.**
- **Take Responsibility for Absences** - If you are absent and missed notes, an assignment or activity, you will be expected to make it up on your own time. If you miss class, you are expected to check MS Teams to follow along with missed material and copy out all notes yourself. Do not show up to class empty-handed.
- **Tests & Quizzes** - All students are expected to write tests/quizzes on the scheduled day and time. In special circumstances, a later sitting is sometimes arranged for students. If you miss a test day, your absence must be excused by a parent/guardian **prior** to the class. As per school policy, a student who misses a test because of skipping will get zero.
- **Participation** – It is expected that you attend class and engage in the discussions, challenges and math puzzles as they occur in the classroom. Doing so helps improve your learning, numeracy and ability to express your thoughts mathematically.
- **School Starts at 8:30, not 9:10** – Tutorial time is built-in to our schedule to support students who need extra help absorbing the course material at the rate of the class.  
**IF YOU:**
  - Did not have time to complete your homework
  - Did not understand something about the course material
  - Just want somewhere quiet to work and ask questions if needed**Drop by E514 for tutorial time.** There are no stupid questions, no level of confusion you could have that would justify being embarrassed or ashamed. If you need help please seek it out before it piles up