

Essential Mathematics 40S (CMA40S)

Course Outline

Course Description: In general, the Essential Mathematics curriculum emphasizes consumer applications, problem solving, decision making, and spatial sense.

Course Requirements: Successful completion of a grade 11 mathematics course.

Resources: Mathworks 12
Essentials of Mathematics 12
Essentials of Mathematics 11

Specific Topics Covered in Essentials Mathematics 40S

- 1) Statistics (Mathworks Ch 3)
- 2) Probability (Mathworks Ch 4)
- 3) Precision Measurement (Mathworks Ch 2)
- 4) Vehicle Finance (Essentials of Mathematics 11 Ch 3)
- 5) Home Finance (Essentials of Mathematics 12 Ch 1)
- 6) Business Finance (Mathworks Ch 8)
- 7) Geometry and Trigonometry
 - a. Properties of Geometric Figures (Mathworks Ch 5)
 - b. Trigonometry (Mathworks Ch 7)

Course Evaluation Structure:

Students will be assessed the following ways

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| 1) Term Work | 70% |
| • Daily Assignment and Quizzes – All must be completed to receive credit for the course (35%) | |
| • Tests (35%) | |
| 2) Final exam | 30% |
| • The final exam is a provincial exam | |

Student Responsibilities and Expectations:

Students are expected to follow the policies and expectations as laid out in the student handbook.

Below are a few highlights but please refer to the handbook for a complete list.

- 1) Students are expected to be on time. If you are late, please enter quietly and respectfully.
- 2) No food or drink is allowed in class during class time with the exception of water.
- 3) Daily assignments need to be completed on time and will be checked. If daily assignments are not completed, parents/guardians will be notified.
- 4) Parents/guardians will be notified if a student receives a failing mark on a test or scores considerably lower than normal.

- 5) Only one person will be allowed out of class at a time with given permission. Breaks should be used to get necessary supplies and to use the washroom.
- 6) Cell phones are not to be a distraction in class. They may not be used as a calculator. If you bring a phone to class the ringer must be off. If there is a time where the no one is addressing the class (teacher, student, video, announcement, etc.) students will be permitted to check their phone and briefly read a message, but sending of messages is not allowed. If a student abuses the privilege of having their phone with them in class they will be required to leave the phone on the front table for future classes.
- 7) Missed tests are usually written the day the student returns to class unless:
 - a. Prior arrangements have been made.
 - b. The student was missing several days before the test. The student will then have some extra time to get ready.
 - c. Extenuating circumstance made it difficult for the student to study for the test during the missed time.
 - d. Students skipping a test class may receive a zero mark for the test. Note, work is not a valid reason for missing a test.
- 8) Cheating will result in 0% for all involved parties.
- 9) If you are absent from class it is your responsibility to find out what you missed. Please get any notes that you missed. After you have the notes you may come and ask for help on understanding them.

Extra Help:

I am very willing to offer extra help if it is needed. I am usually available for extra help before school on most days. Please let arrange for extra help the day before to make sure I am available.

Contact:

Please feel free to contact me at:
(204) 434-6415 or
amartens@hsd.ca