

Course Objectives

Get the PCMR4S credit! This course has the objective to develop and enrich your knowledge of theoretical mathematics. It has the intention to prepare you for University math courses and programs that require further knowledge of mathematics. A mark of 70% in PCMR3S is strongly recommended to ensure you have the necessary math skills to succeed. This course is one of the hardest courses in High School and requires a lot of independent work and motivation to achieve.

This course will be different than any course you have taken in the past. Be ready for the challenge!

Necessary materials

- Scientific calculator
- Pencil, pen and a highlighter (A couple of colors of pens while taking notes is recommend)
- A ruler (10 cm is plenty)
- 3 ring binder (you're going to be given a ton of paper so you need a place for it)
- Graph paper (you will be tired of drawing graphs by the end of this course)

Evaluations

Evaluation of the semester :

Final mark breakdown :

Unit Tests (6) – 55%
Outcome Evaluations – 35%
Midterm – 10%

Semester Mark	70%
Provincial Exam	30%

Tests

There will be 6 tests 1-7, 8-12, 13-20, 21-28, 28-36 and 37-44. These will be set ahead of time to ensure plenty of time to learn the required material. These tests will have a calculator and non-calculator sections. These tests will be taken during class time and last the whole period. There are no re-tests.

Midterm

The midterm will be a 1 hour test that covers outcomes 1-28. Like a test, there is no retake. It will be written sometime at the end of November. Date will depend on our progress.

Provincial Exam

The provincial exam will be written on Thursday January 28th, 9am to 12pm.

Outcome Evaluations

These will be written when the student feels comfortable to be tested on an outcome. Each outcome required to be evaluated a minimum of 2 times. However, you have a maximum of 4 tries per outcome.

They will be graded from 1-4.

1 – You don't understand the concept and need to try a few more examples and ask a few questions before you can attempt it again.

2 – You know something but you don't know enough to properly answer the problem. You probably need to figure out what step you don't understand and work through a few more examples. Then try to attempt another evaluation.

3 – You know most of the information you need. However, there is still some detail or concept that isn't completely understood. Try 1 or 2 more questions or ask a few questions before attempting another evaluation.

4 – You understand the concept. Good work.

Common errors

As well as the 1-4 mark breakdown, you will be made aware of small mistakes you might make while answering the problem. These usually don't interfere with the concept but would prevent you from getting 100% on a test or exam.

An error sheet with their description will be given as a reference tool.

**Don't forget that you control your mark on evaluations. Doing homework and asking questions will allow you to find out if you are ready to be evaluated on a concept.

The Flipped Classroom

This is a new way to learn. You will be expected to watch instructional videos on your own time. During the class you will actively learn math by trying practice questions, self-evaluate, ask individual questions and do your homework. You will require a lot less time doing "homework" at home but will need to watch videos ahead of time.

Website <http://mathematiques-kelvin-tougas.wikispaces.com/>

All the videos and practice tests will be posted there. You can simply Google « mathematiques » and the link should be one of the first ones.

Absences

After 5 absences (justified or not) there will be a phone call home. Don't forget that this class requires a lot of work and missing classes will not help you learn what is required. Many absences will affect your final mark.

Test days

If you are going to miss a test day you must make arrangements to write it at an alternate day. If you missed a class without arranging another date you will be asked to write the test on the next day you come to class.

Exam/Midterm

This will be considered a serious absence and could result in a mark of 0%.

Other important information

- I am always willing to help. I am usually available for questions at lunch hour and could possibly be available before or after school if requested.
- Phones should be put away during class time unless you are using it to watch a video. They will be confiscated if you continue to use it during class.
- Food is allowed but be respectful of the class.
- I show respect to all my students and expect the same in return.
- Let's have a great semester!!