

Mathematics 506 – Science (SN) Option Course Syllabus 2020-21

Instructor: Ms. Catherine James

Room: 227

Email: cajames@wqsb.qc.ca

Website: <https://msjameswqsb.weebly.com>

Course Description

Mathematics 506 SN is for students who have a desire to pursue upper level mathematics. It is a difficult course designed for students who are continuing in post-secondary mathematics or sciences. The course requires extremely strong mathematics skills. To do well in the course, you will need to refine your problem solving skills by practicing many questions. The course moves quickly and therefore there is a *considerable amount of at-home practice required*. If you are stuck on a concept, please do not wait. See me right away.

Course Outline (tentative)

Term 1: Trigonometry Review

Functions

Exponential Functions

Term 2: Logarithmic Functions

Trigonometric Functions

Term 3: Optimization

Conics

Vectors

Year-End Review

Texts and Required Readings

We will not use a textbook in this course. Rather, I will provide workbook pages by unit. These pages must be completed and I will check this book throughout the year.

Course Evaluation & Assessment:

Term 1	Term 2	Term 3	Total
20%	20%	60%	100%

Missing a Test or Quiz

Tests must be written on the scheduled day. If you know ahead of time that you will be away, alternative arrangements must be made before the test date. Missed tests will be written on your own time at lunch.

Late Policy

All late arrivals will be recorded and detentions are served with the office.

Absences

You are responsible for catching up on class notes and completing any assignments, tests or quizzes for which you were absent (no grade exemptions will be given for missed work). If you are aware of your absence in advance, please let me know.

Class Procedures

We all must respect one another. My foremost request is that you do not talk while I am speaking – whether it is during attendance or when I am at the front of the room speaking to you.

Your responsibilities include bringing paper and pencil to class, *every* class. You need your **math binder, graph paper, pencil, eraser, calculator, and workbook pages**. As well, you must hand in all assignments on time. While I am somewhat flexible about late assignments due to illness or other excused absences, I expect you to see me the day you return from illness to get your missed work. You need to be caught up at all times because you will get behind very quickly.

Plagiarism

It is entirely possible to plagiarize in math. Many students, afraid that their incomplete homework will be checked by me (and it will), copy another's answers at lunch or prior to class. *If you do this, it is cheating, and I will refer you to the administration for disciplinary action.* The integrity of everyone's individual grade is important, especially as this course is needed for both high school graduation and post-secondary admission.

I am sure we will have an excellent time in MSC 506.

Study hard!